

**1978-1979**  
**BULLETIN OF**  
**WELLESLEY**  
**COLLEGE**  
**CATALOG**  
**ISSUE: 9-78**



# **1978-1979 BULLETIN OF WELLESLEY COLLEGE**

CATALOG  
ISSUES

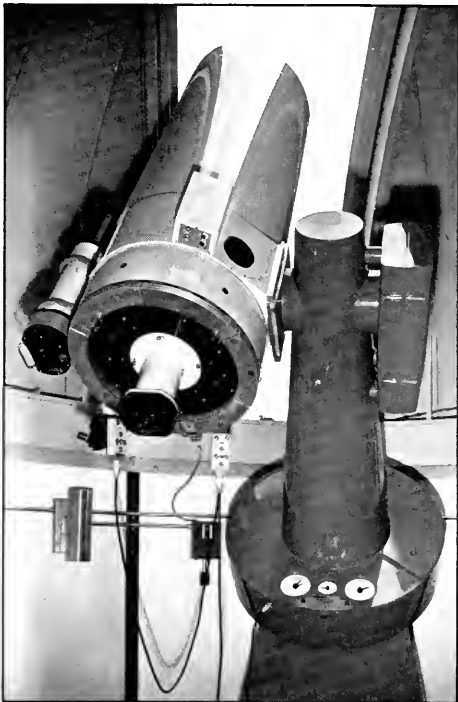
Volume 68, Number 1

The College reserves the right to make changes at its discretion affecting policies, fees, curricula, or other matters announced in this Bulletin.

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# Contents

Academic Calendar 1978/1979	3
Correspondence/Visitors	4
Board of Trustees	5
Presidents	8
The College	9
Admission	13
Financial Information	17
Student Life	25
The Campus	31
Academic Program	35
Courses of Instruction	45
Officers of Instruction	169
Administration	187
Alumnae Organization	193
Index	197





# Academic Calendar

## 1978-79

### First Semester

New students arrive	Sunday September 3
Returning students arrive	Tuesday September 5
Convocation	Wednesday September 6
Classes begin	Thursday September 7
Fall recess begins	Friday October 6
Fall recess ends	Tuesday October 10
Thanksgiving recess begins	Wednesday November 22
Thanksgiving recess ends	Sunday November 26
Classes end	Tuesday December 12
Reading period begins	Wednesday December 13
Reading period ends	Sunday December 17
Examinations begin	Saturday December 16
Examinations end	Friday December 22
Christmas vacation begins	Friday December 22
Christmas vacation ends	Saturday January 6
Winter term begins	Sunday January 7
Winter term ends	Tuesday January 30

### Second Semester

Classes begin	Thursday February 1
Winter break begins	Wednesday February 28
Winter break ends	Sunday March 4
Spring vacation begins	Friday March 23
Spring vacation ends	Sunday April 1
Classes end	Friday May 11
Reading period begins	Saturday May 12
Reading period ends	Wednesday May 16
Examinations begin	Thursday May 17
Examinations end	Wednesday May 23
Commencement	Friday June 1

**Correspondence**

**President**

General interests of the College

**Dean of the College**

Academic policies and programs

**Dean of Academic Programs**

MIT cross-registration

Exchange programs

**Class Deans**

Individual students

Study abroad; students from abroad

**Director of Admission**

Admission of students

**Director of Financial Aid**

Financial aid; student employment,  
fellowships; student loans

**Coordinator of Student Services**

Residence; health services; counseling

**Bursar**

College fees

**Registrar**

Transcripts of records

**Director of Continuing Education**

Continuing Education

**Director of Career Services**

Graduate school; employment,  
general career counseling of  
undergraduates and alumnae

**Vice President for Financial and  
Business Affairs**

Business matters

**Vice President for Resources**

Gifts and bequests

**Vice President for College Relations**

Internal and external public affairs

**Executive Director, Alumnae Association**

Alumnae interests

**Address**

Wellesley College  
Wellesley, Massachusetts 02181  
(617) 235-0320

**Visitors**

We welcome visitors to the College. The administrative offices in Green Hall are open Monday through Friday, 8:30 a.m. to 4:30 p.m., and by appointment on Saturday mornings during term time. Special arrangements for greeting prospective students can also be made during vacation periods. Rooms for alumnae and for parents of students or prospective students are available on the campus in the Wellesley College Club and may be reserved by writing to the club manager.

A prospective student who wishes to arrange an interview with a member of the professional staff of the Board of Admission should make an appointment well in advance.

Student guides provide tours for visitors without previous appointment. Visitors to the College may call the Board of Admission prior to their visit to arrange a mutually convenient time for the tour.

# Board of Trustees



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Wellesley, Massachusetts

**Nardi Reeder Campion** B.A., ex officio  
President of the Wellesley College  
Alumnae Association  
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**Clerk of the Board of Trustees**

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Needham, Massachusetts

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**Mary Sime West '26**

Katonah, New York

**Henry Austin Wood**

Newport, Rhode Island

**Katharine Timberman Wright '18**

Columbus, Ohio





President Barbara W. Newell

## Presidents

Ada Howard  
1875-1881

Alice Freeman Palmer  
1881-1887

Helen Shafer  
1887-1894

Julia Irvine  
1894-1899

Caroline Hazard  
1899-1910

Ellen Fitz Pendleton  
1911-1936

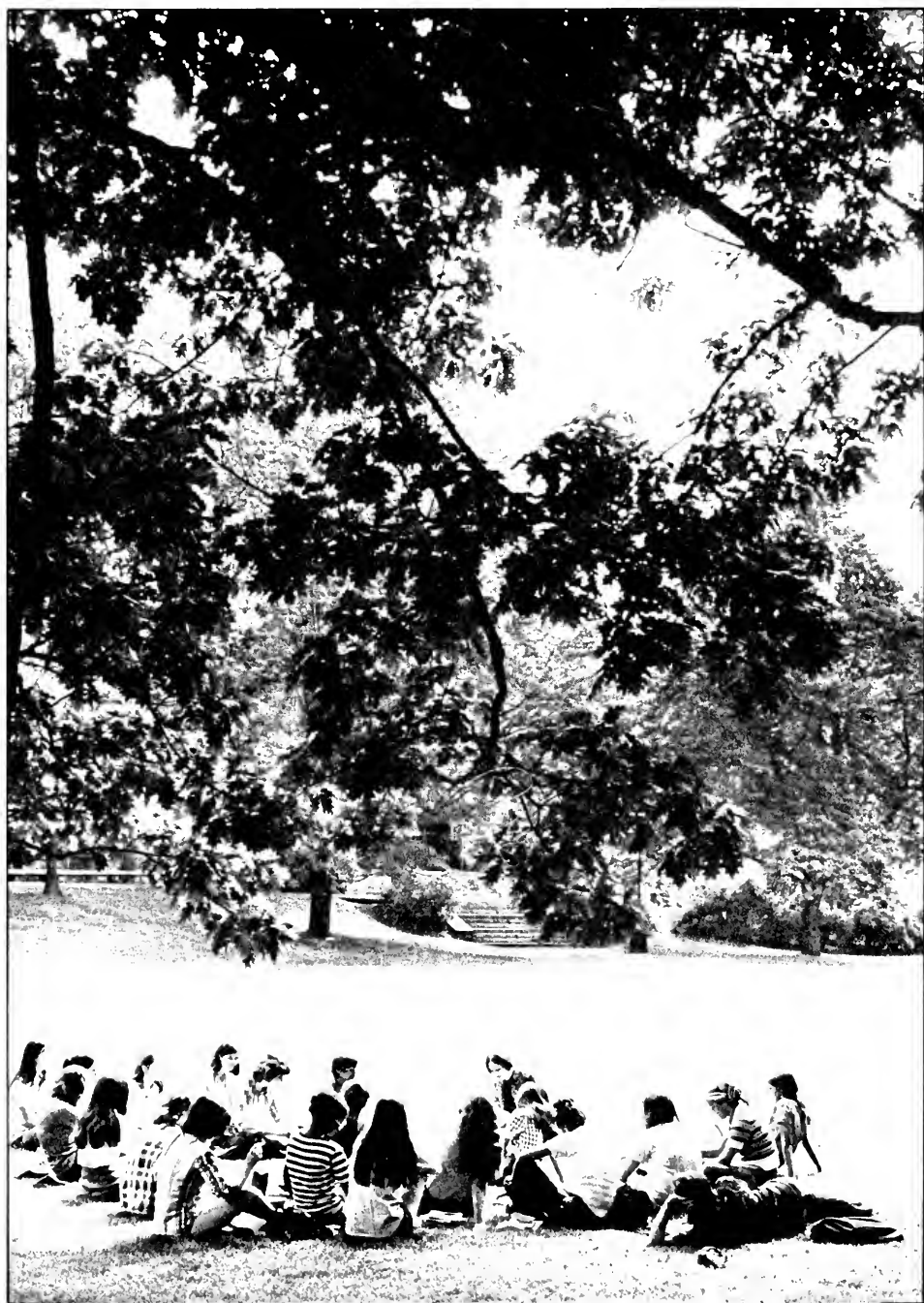
Mildred McAfee Horton  
1936-1949

Margaret Clapp  
1949-1966

Ruth M. Adams  
1966-1972

Barbara W. Newell  
1972-

# The College





A student's years at Wellesley College are the beginning—not the end—of an education. An education at Wellesley is characterized by sensitivity and knowledge, and by the mastery of intellectual skills and the growth of a discerning mind. Above all, Wellesley aims to teach its students the wisdom to use knowledge to enhance their own lives and to participate more effectively in the larger community. These are the goals and benefits of a liberal arts curriculum, which encourages students to elect a wide variety of courses while pursuing specialization within a major.

Wellesley offers this education in an environment that takes women seriously as individuals, as scholars, and as leaders.

Although education at Wellesley is more than 100 years old, it continues to reflect the goals of its founder, Henry Fowle Durant. He was an impassioned believer in equality for women, who saw education as the way women could prepare themselves for "great conflicts" and "vast reforms in social life." Wellesley College reaffirmed these early visions in 1971 when, after seriously considering coeducation, it elected to remain a college for women only.

Throughout the years, Wellesley has encouraged women to make unconventional choices, and it continues to encourage students to seek for themselves a range of options. As a result, many Wellesley women choose to major in such areas as economics, mathematics, and the sciences. Many Wellesley graduates enter careers in business, law, and medicine—all fields that have been long dominated by men.

This conscious effort to prepare women for a full range of career and life choices is an integral part of Wellesley's rigorous and demanding academic experience.

High academic standards at Wellesley are combined with considerable flexibility of choice for the individual student. There are opportunities for independent study, individually designed majors, and research.

A primary concern in the Wellesley classroom is the development of analytical skills and clarity of expression; to this end, most instructors emphasize writing papers and reports. The average size of classes ranges from 22 to 25 students. Popular introductory courses that enroll more than 100 students include small discussion or conference sections. Upper level classes and seminars bring together 12 to 15 students and an instructor to investigate clearly defined areas of concern. The student-faculty ratio of 10 to 1 offers an excellent opportunity for students to

undertake individual work with faculty on honors projects and research.

Wellesley's faculty—of which 60 percent are women—bring to the College diverse academic and professional interests. Poets, novelists, artists, musicians, scientists, political and economic analysts, the members of the faculty are scholars dedicated to teaching and to sharing their experience with students. A number live on or near the campus, and they take part in many aspects of College life.

Wellesley's outstanding resources and facilities are administered with the policy that all students, whether majors or nonmajors, will have access to the resources they need to pursue their interests in all departments.

The Margaret Clapp Library has an extensive general collection containing original source material from special collections. In addition to the facilities of the main library, many departments have their own libraries. In the sciences, the new Science Center brings together all the science departments, including mathematics and computer science, in a contemporary setting that fosters interdisciplinary studies.

Wellesley's strength in the sciences dates to the nineteenth century, when the College's physics laboratory was the second such laboratory in the country (the first was at the Massachusetts Institute of Technology). Laboratories in the new Science Center are completely equipped for a wide variety of fields. Other scientific resources at Wellesley include a central library, greenhouses, and an observatory.

Students in the arts find excellent facilities in the Jewett Arts Center which has a teaching museum, libraries, practice rooms, studios, and an auditorium. Each year the Museum has several exhibitions of students' work, and Jewett is also used for students' concerts and recitals.

The Wellesley curriculum is extended through opportunities for cross-registration with the Massachusetts Institute of Technology, exchange programs with other colleges, and study abroad.

MIT-Wellesley cross-registration allows students to combine the strengths of these two very different institutions. MIT men and women come to Wellesley for such courses as psychology, economics, and art history. Wellesley women travel to MIT for such classes as urban planning, political science, and photography. Buses shuttle hourly along the 12 mile route between the two campuses.

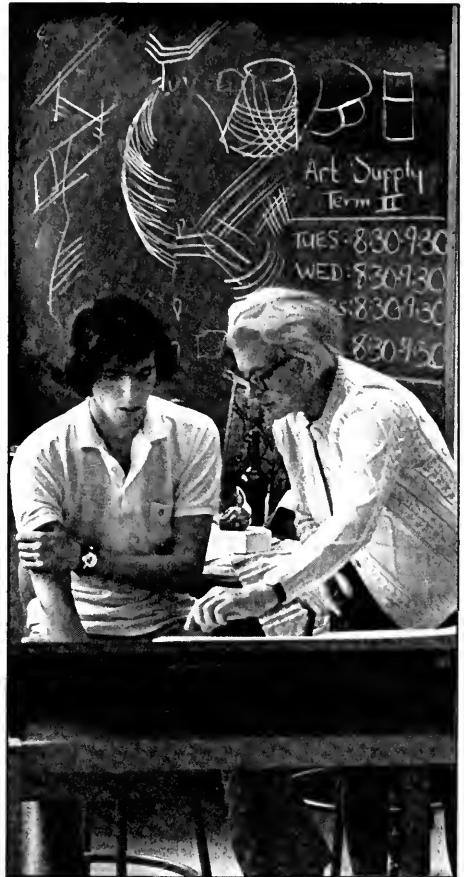
The Twelve College Exchange Program each year brings men and women from other New England colleges to Wellesley for a semester or a year, and enables Wellesley students to live and study on another campus. An exchange between Wellesley and Spelman College, a distinguished Black liberal arts college for women in Atlanta, Georgia, was inaugurated in 1974-75.

Wellesley also offers opportunities for study abroad through the Slater, Waddell, and Stecher scholarship programs. The Slater program underwrites the cost of attending European institutions for a summer or academic year, and it brings Slater Fellows from abroad to the Wellesley campus. The Waddell program provides funds for study in Caribbean countries or in Africa. The Stecher program enables students to study art abroad either during the academic year or in the summer. Wellesley does not have its own junior year abroad program, but it does help students make arrangements for such study by direct enrollment in foreign universities or through application to such programs administered by other colleges.

One advantage of women's colleges is the opportunity for women to assume leadership in college organizations and activities. These options frequently are closed to women in coeducational institutions where extracurricular activities often are dominated by male students.

Wellesley students serve on almost all major committees of the Board of Trustees, including the Investment Committee, and on committees of the Academic Council, including the Board of Admission and the Committee on Curriculum and Instruction. Students are voting members of most committees on which they serve. In academic departments, they are voting members of curriculum and faculty search committees, and they also serve on committees that set policy for residential life and govern Schneider College Center, the focus for much student and community activity on campus.

In 1918 students and faculty concluded a historic Agreement creating the Wellesley College Government Association, which allows for student control over most nonacademic aspects of their lives and for faculty supervision of academic matters. College Government officers are elected each spring by the students, and the president of College Government heads the student Senate consisting of students, faculty, and administrators but in which only student members have voting privileges.



Students also have numerous outlets for self-expression through involvement in such activities as theatre and musical groups, student publications, and sports.

Each week brings lectures, poetry readings, films, exhibitions, and performances in dance, theatre, and music. Visiting artists and lecturers frequently offer master classes for interested students; receptions and informal dinners provide further occasions for students to talk with distinguished men and women.

While Wellesley encourages the participation of its students in events and activities designed to heighten their awareness of the world around them, a student's inner development and her search for personal and spiritual values is also an important process. Over the past few years, there has been an increasing interest in ethical and religious issues and activities. The chaplaincy sponsors special seminars and programs in which students can explore these issues as well as share with one another the celebration of religious holidays. The chaplaincy provides a religious program embracing many faiths and also offers denominational programs for those who wish to participate.

The development of social responsibility and social responsiveness is an integral part of Wellesley's heritage that continues to this

day. Students are encouraged to participate in and contribute to the communities of Boston as well as in the Wellesley College community. Their activities range from tutoring with the MIT-Wellesley Upward Bound Program to internships in urban legal studies.

As an individual learns and grows, so, too, does a community. It explores and seeks alternatives and remains open to innovation. The past five years at Wellesley have witnessed marked changes in the curriculum and academic policies as well as in policies governing students' lives on campus. This change—and it is a continuing process—rests on a foundation of sound academic and social values, and it comes about through the efforts of individuals who influence and shape the College environment. The College, in turn, influences the lives of each member of its community.

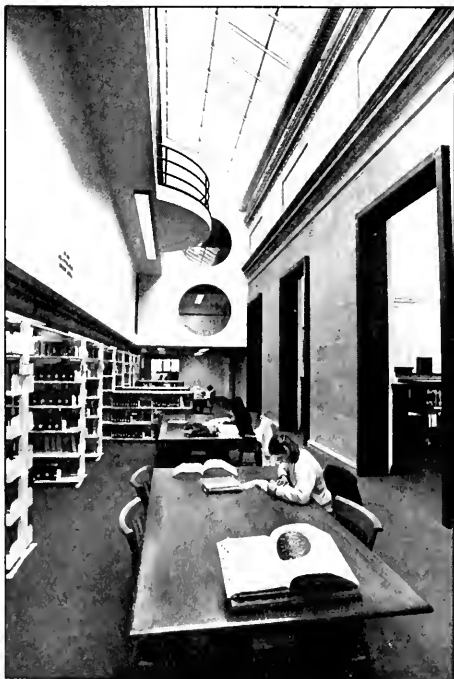
In its desire to create the best possible education for women, Wellesley continues to seek solutions to problems faced by both men and women in a changing society. It is looking, too, at its own community, and is trying to make it a better place in which to work and to study and to grow. It is exploring new patterns of work, new ways for campus groups to communicate more effectively with one another, and new styles of residential life.

Each student who comes to Wellesley College joins an extended community, for the support and involvement of the alumnae add an important dimension to the College's life.

One reason for Wellesley's leadership among colleges and universities in this country is the success of its many alumnae who have pioneered in all areas of life. Some have been outstanding scholars and researchers; others have been leaders in science, politics and women's rights; still others have made important contributions to their communities through volunteer work.

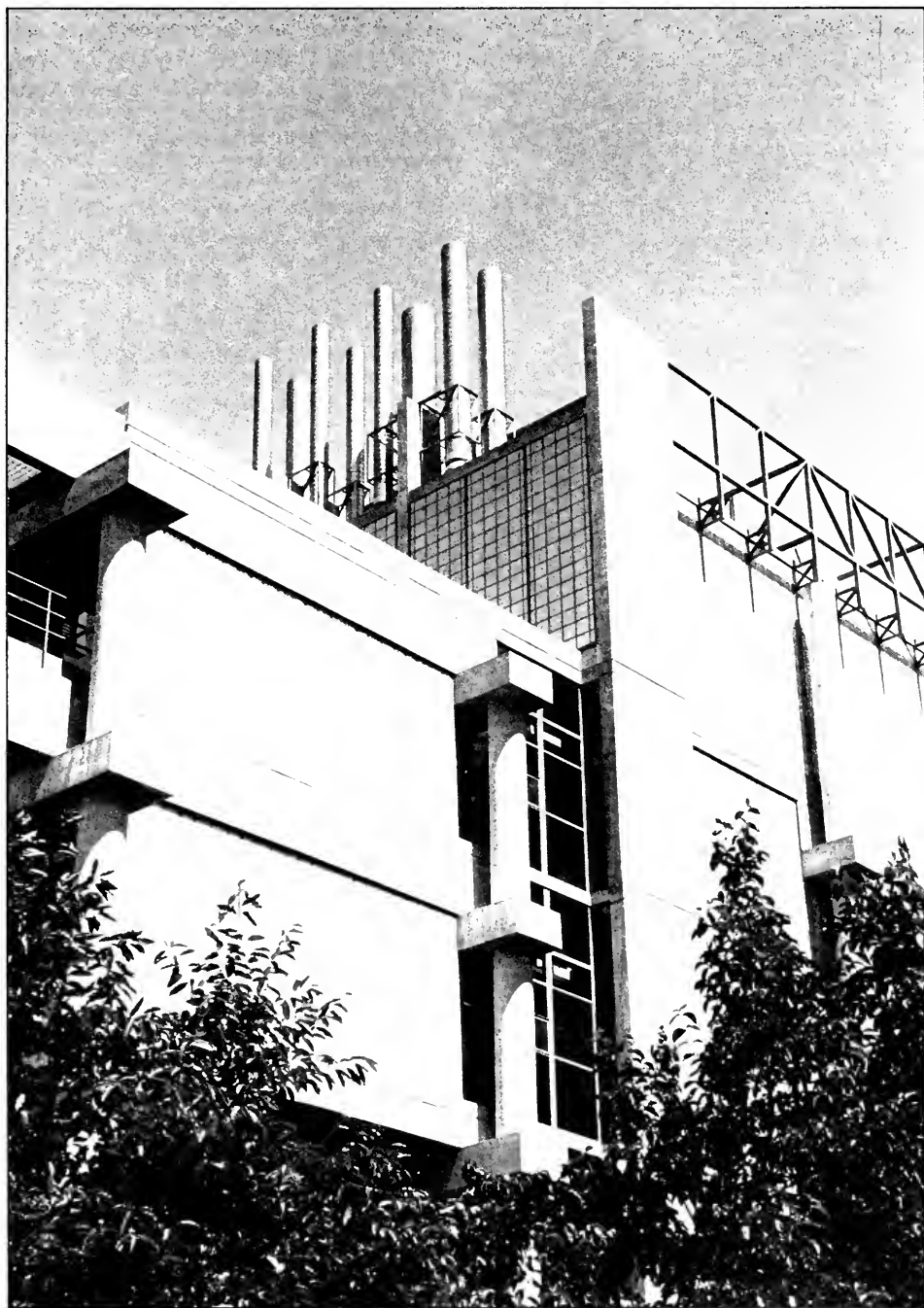
A significant part of life at Wellesley is influenced by the location of the College. The 500-acre campus—a rural setting on the shores of Lake Waban—is only thirty-five minutes away from Metropolitan Boston. In addition to its many cultural offerings, Boston is a center for higher education, with many colleges and universities, which share some of their facilities and activities with the Wellesley community.

Whatever one's life choice and goal, a Wellesley education provides women with intellectual and personal growth that continues long after the college years.



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# Admission



## Criteria for Admission

The Board of Admission at Wellesley is composed of representatives of the faculty, the administration, and the students. In selecting the candidates who will comprise the student body, the Board of Admission considers a number of factors: high school records, rank in class, scholastic aptitude and achievement test scores, letters of recommendation from teachers and principals, the student's own statements about herself and her activities, and the interview reports of the staff or alumnae. The Board of Admission values evidence of unusual talent and involvement in all areas of academic and social concern.

Each application is evaluated with care. The admission decision is never made on the basis of a single factor. For instance, the Board recognizes that standardized tests do not measure motivation or creativity and that scores may be influenced by the student's experience with timed examinations.

The Board of Admission chooses students who will benefit from and contribute to the type of education offered at Wellesley and be able to meet the standards for graduation from the College. Consideration is given to creativity and high motivation as well as strong academic potential.

The Board of Admission considers each application on its merits and does not discriminate on the basis of race, religion, color, creed, or national origin. In accordance with its desire to maintain diversity in its student body, Wellesley College encourages applications from qualified students who come from a wide variety of cultural, economic, and ethnic backgrounds.

### General Requirements for Freshman Applicants

Wellesley College does not require a fixed plan of secondary school courses as preparation for its program of studies. However, entering students normally have completed four years of strong college preparatory studies in secondary school. Adequate preparation includes training in clear and coherent writing and in interpreting literature, training in the principles of mathematics (usually a minimum of three years), competence in at least one foreign language, ancient or modern (usually achieved through three or four years of study), and experience in at least one laboratory science and in history.

Students planning to concentrate in mathematics, in premedical studies, or in the natural sciences are urged to elect additional courses in mathematics and science in secondary school. Students planning to concentrate in language or literature are urged to study a modern foreign language and Latin or Greek before they enter college.

There are often exceptions to the preparation suggested here, and the Board will consider an applicant whose educational background varies from this general description.

### The Application

Application forms may be obtained from the Board of Admission. A nonrefundable fee of \$20 must accompany the formal application. If the application fee imposes a burden on the family's finances, a letter from the applicant's guidance counselor requesting a fee waiver should be sent to the College with the application for admission.

### The Interview

A personal interview is required of each applicant. If it is not possible for a candidate to come to the College for an interview, she should write to the Board of Admission for the name of an alumna interviewer in the candidate's local area. The Board of Admission is closed for interviews from February 15 to April 1; however, tours will still be given by student guides at this time.

### Campus Visit

Students who are seriously considering Wellesley will have a fuller understanding of student life at Wellesley if they can arrange to spend a day on campus. Candidates are welcome to attend classes, eat in the residence halls, and talk informally with Wellesley students. Prospective students who plan to spend some time exploring the College are urged to notify the Board of Admission in advance so that tours, interviews, meals, and attendance at classes can be arranged before arrival on campus.

## College Entrance Examination Board Tests

The Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board (CEEB) are required of all applicants for admission. One Achievement Test must be the English Composition Test.

Each applicant is responsible for arranging to take the tests and for requesting CEEB to send to Wellesley College the results of all tests taken. CEEB sends its publications and the registration forms necessary to apply for the tests to all American secondary schools and many centers abroad. The applicant may obtain the registration form at school, or may obtain it by writing directly to CEEB, Box 592, Princeton, New Jersey 08540; or in western United States, western Canada, Australia, Mexico, or the Pacific Islands, to CEEB, Box 1025, Berkeley, California 94701.

It is necessary to register with CEEB approximately six weeks before the test dates; however, limited walk-in registration may be available at some test center.

Either the SAT or three Achievement Tests may be taken on any of the following dates, but it is not possible to take both the SAT and the Achievement Tests on the same day, so students must select and register for two different test dates. The latest test date from which scores can be used for admission in September 1979 is January 27, 1979.

The CEEB Code Number for Wellesley College is 3957.

## Dates of CEEB Tests

May 6, 1978  
June 3, 1978  
November 4, 1978  
December 2, 1978  
January 27, 1979  
March 31, 1979 (SAT's only)  
May 5, 1979  
June 2, 1979

In addition, on October 14, 1978 the SAT only is offered in California, Texas, Florida, and New York. The English Composition Test-with-essay is offered only on the December 2, 1978 test date.

## Admission Plans

### 1

#### Regular Decision

A candidate who uses the regular plan of admission must file an application by February 1 of the year for which she is applying. Applicants will be notified of the Board of Admission's decisions in April. Applicants for

regular admission may take Scholastic Aptitude Tests and Achievement Tests any time through January of the senior year. It is preferred, however, that students attempt to take these tests before the January test date to insure that scores will arrive well before the Board of Admission begins to review records. Results of tests taken after January arrive too late for consideration by the Board of Admission.

## Early Evaluation

Candidates whose credentials are complete by January 1, and who request it, will receive an Early Evaluation of their chances of admission. These evaluations will be sent by the end of February. Candidates will receive the final decision from the Board of Admission in April.

### 2

#### Early Decision

This plan is intended for those students with strong high school records who have selected Wellesley as their **first** choice college by the fall of the senior year. Candidates under this plan **may** initiate applications at other colleges, but they agree to make only one Early Decision application, and if admitted under Early Decision, they must then withdraw all other applications.

Candidates who wish Early Decision must apply by November 1 and indicate that they want to be considered under the Early Decision Plan. Although CEEB tests taken through the November 4, 1978 test date may be used, it is preferred that students complete the appropriate tests by the end of the junior year. All supporting credentials and an interview must be completed by November 15. Decisions on admission and financial aid will be mailed no later than mid-December.

### 3

#### Early Admission

The College considers applications from candidates who plan to complete only three years of high school and who have demonstrated academic strength and personal and social maturity. These candidates are considered for admission along with other applicants for the Regular Decision Plan. They are requested to identify themselves as Early Admission applicants in their correspondence with the Board of Admission. It is preferable that these candidates have their interviews at the College if distance permits. Early Admission candidates are not eligible for Early Decision or Early Evaluation. In all other respects they follow the regular procedures for the Regular Decision Plan.

**Deferred Entrance**

Application for admission is made for a stated year; however, it is possible to change the intended date of entrance if a written request is sent before the Board of Admission takes formal action on the application. Students who complete their applications and are admitted and who then wish to defer entrance to the freshman class for one year should accept the offer of admission by May 1, and at the same time request a year's deferral. Students who attend another American college full-time during the year between high school and their entrance to Wellesley are not considered deferred students, but must reapply for entrance as transfers.

**United States Citizens Living Abroad**

For U.S. citizens living in other countries the entrance requirements and procedures for making application are the same as for applicants within the United States.

**Foreign Students**

The College welcomes applications from citizens of other countries who have excellent secondary school records and are completing the university entrance requirements of their own countries. It is possible to receive advance credit toward the Wellesley degree through successful results in national matriculation examinations. Foreign students must apply by January 15 of the year in which the student plans to enter the College. Admission is for September entrance only. There is no application fee for foreign students. Specific instructions for foreign students wishing to apply to Wellesley are contained in the brochure, *Information for Foreign Students*, which may be obtained by writing to the Board of Admission. Letters of inquiry should include the student's age, country of citizenship, present school, and academic level.

The Slater One-Year Fellowship Program is open to qualified foreign students currently enrolled in foreign universities who wish to increase their understanding of life in the United States while preparing for a degree in their home universities. Preference is given to students from western Europe. Slater Fellows receive a stipend based on financial need. Application forms may be obtained by writing to the Dean of Academic Programs.

**Admission of Transfer Students**

Wellesley College accepts transfer students from accredited four and two year colleges. They must offer excellent academic records at both the high school and college levels and

strong recommendations from their deans and instructors. Incoming sophomores and juniors are eligible to apply for entrance in either the first or second semester; transfers in the middle of the freshman year are discouraged. Students wishing to transfer into Wellesley should make application before February 1 for entrance in the fall semester, and before November 15 for entrance in the spring semester, on forms which may be obtained from the Board of Admission. Notification is in early April and late December, respectively. The preliminary application forms should be returned with a nonrefundable registration fee of \$20, or a fee waiver request authorized by a financial aid officer or college dean; the rest of the application forms will be sent upon receipt of these items.

The College will evaluate the transcripts of transfer applicants who have been offered admission, and will accept for credit only those courses which are comparable to courses offered in the liberal arts curriculum at Wellesley. Transfer credit for studies completed in foreign countries will be granted only when the Registrar has given specific approval of the courses elected and the institutions granting the credit.

To receive a Wellesley degree, a transfer student must complete a minimum of 16 units of work and two academic years at the College. A Wellesley unit is equivalent to four semester hours and some transfer students may need to carry more than the usual four courses per semester in order to complete their degree requirements within four years. Wellesley College has no summer school and courses done independently during the summer may not be counted toward the 16 units required. Incoming juniors, in particular, should be aware that Wellesley requires evidence of proficiency in one foreign language before the beginning of the senior year. In addition, all transfer students should note Wellesley's course distribution requirements which must be fulfilled for graduation. These requirements are described on p. 36 of this catalog.

Incoming junior transfer students may not take part in the Twelve College Exchange Program or Junior Year Abroad. All transfer students may elect to take courses through the cross-registration program with MIT after they have completed one semester of study at Wellesley. Candidates who have interrupted their education for more than five years and/or who are older than 25 years of age may wish to consult the Office of Continuing Education.



# Financial Information



Fees and Expenses

At Wellesley the fee represents approximately one-half of the educational cost to the College for each student. In past years the difference has been made up from gifts and income earned on endowment funds.

Annual Fee

The fee for the academic year 1978-79 is \$6550. In addition, there is a student activity fee of \$60. The breakdown is as follows:

	<i>Resident</i>	<i>Nonresident</i>
Tuition	\$4300	\$4300
Room	1000	
Board	1250	
Student activity fee	60	60
	<u>\$6610</u>	<u>\$4360</u>

Annual fee schedule published prior to this catalog included a 6% (\$75) Mass. State Sales Tax on Meals which was revoked July 1, 1978.

The College offers three plans of payment described on pp. 20-21.

General Expenses

In addition to the fees payable to the College, a student should count on approximately \$700 for books, supplies, and personal expenses. Some students spend more and some spend less.

Student Activity Fee

The purpose of the student activity fee of \$60 is to provide resources from which the student government organization can plan and implement the programs of student activities sponsored by various clubs and organizations on campus.

Reservation Fee

A fee of \$200 reserves a place in the College for the student. It is due February 1 for Early Decision students and May 1 for all other entering students, and annually on June 1 for returning students. It is included in the annual fee of \$6550.

General Deposit

A general deposit of \$50 is paid by each entering student. The deposit is refunded after graduation or withdrawal and after deducting any unpaid special charges.

Room Retainer Fee

Returning resident students must submit \$200 to the bursar by March 8 to reserve a room for the following year. This \$200 fee is applied against room and board charges for the following year.

Special Fees and Expenses

These include, but are not limited to, the following:

Certain special fees and expenses listed in departmental descriptions, e.g., the cost of instrumental and vocal lessons given on p. 115.

A fee for each unit of work taken for credit in excess of five in any semester: \$538.

A fee for each unit of work done independently during the summer: \$50.

A fee for each examination for credit: \$50.

An automobile parking fee per semester: \$25.

Fees for breakage of laboratory equipment and any other damage incurred by a student.

A fee for room key or card key in residence hall, if not returned: \$5.

A fee for replacement of meal book: \$5.

A fee for replacement of ID: \$4.

Plans of Payment

It is necessary that *all* fees be paid in accordance with the specified plans before the student can begin or continue attendance, and all financial obligations to the College must be discharged before the degree is awarded.

Detailed descriptions of plans are sent by the bursar to the parents of entering students and to others upon request. Although there are minor variations in the payment plans for Regular Decision and Early Decision students, the final due dates for each group are the same. The eight-payment plan is available *only* for a complete academic year.

Payment for Students on Financial Aid

Except for the reservation fee, grants and loans are usually applied equally by semester against all tuition, and room and board payments for the year. The remaining financial obligation must be paid in accordance with one of the approved plans. Students on financial aid who have difficulty meeting the scheduled payments outlined above should consult the financial aid officer.

### Medical Insurance

Information concerning student medical insurance is sent to all parents by the bursar. Because of the high cost of medical care, parents are required to subscribe to the Wellesley College Student Health Plan or to provide equivalent coverage, especially since Wellesley College does *not* assume financial responsibility for injuries incurred in instructional, intercollegiate, intramural, or recreational programs under the auspices of the Department of Physical Education. Full-time continuing education students are also required to have coverage if they plan to use the College Health Services. Continuing education students carrying less than three courses per semester are not eligible for infirmary care or insurance.

### Refund Policy

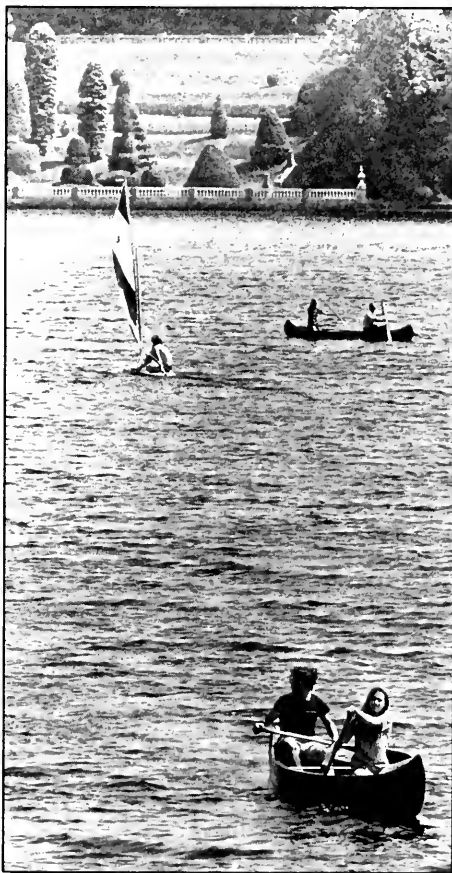
Refunds of prepaid tuition, reservation, and other fees, and room and board charges will be allowed for withdrawal or leave of absence prior to the midpoint of the semester. In computing refunds, such prepayment will be prorated on a weekly basis, except that \$100 will be withheld to cover administrative costs in any case. No refunds will be made for withdrawal or leave of absence after the semester midpoint. The date of withdrawal shall be the date on which the student notifies the Registrar of withdrawal in writing, or the date on which the College determines that the student has withdrawn, whichever is earlier. Admissions candidates must notify the Director of Admission of withdrawal. Refunds will be made within 40 days after withdrawal and will be prorated among the sources of original prepayment. Wellesley College grants are not subject to refund to the student.

### Continuing Education Fees

The basic fee for a continuing education student is \$538 per semester course, payable by August 1 for the fall semester and by January 15 for the spring semester. Continuing education applicants pay the same \$20 application fee as all other students. There is also a registration fee of \$25, payable when the student is accepted.

A continuing education student who finds it necessary to withdraw from a course is entitled to tuition refunds as follows: a full refund of prepaid tuition charges will be allowed for withdrawal from courses during the first two weeks of classes. Thereafter, refunds will be prorated on a weekly basis until the midpoint of the semester. No refunds will be made for withdrawal after the semester midpoint. The

date of withdrawal shall be the date on which the student notifies the Director of Continuing Education of withdrawal in writing, or the date on which the College determines that the student has withdrawn, whichever is earlier. Refunds will be made within 40 days after withdrawal and will be prorated among the sources of original prepayment. Wellesley College grants are not subject to refund to the student.



20 Plans of Payment

	Resident	Nonresident	Early Decision	Regular Decision	Returning Students
<b>Semester Plan*</b>	Amount	Amount	Due	Due	Due
Reservation fee	\$ 200	\$ 200	Feb. 1	May 1	June 1
General deposit for entering students	50	50	Feb. 1	May 1	
Room retainer fee for returning students	200				March 8
First semester fee for entering students	3105	1980	Aug. 1	Aug. 1	
First semester fee for returning students	2905	1980			Aug. 1
Second semester fee	3305	2180	Jan. 15	Jan. 15	Jan. 15

\*The College will accept payments made through any bank or trust company or recognized financing agency which will forward payments in accordance with the Semester Plan.

	Resident	Nonresident	Early Decision	Regular Decision	Returning Students
<b>Annual Payment Plan</b>	Amount	Amount	Due	Due	Due
Reservation fee	\$ 200	\$ 200	Feb. 1	May 1	June 1
General deposit for entering students	50	50	Feb. 1	May 1	
Room retainer fee for returning students	200				March 8
Balance for entering students	6410	4160	Aug. 1	Aug. 1	
Balance for returning students	6210	4160			Aug. 1

	Resident	Nonresident	Early Decision	Regular Decision	Returning Students
<b>Eight-Payment Plan*</b>	Amount	Amount	Due	Due	Due
Reservation fee	\$ 200	\$ 200	Feb. 1	May 1	June 1
General deposit for entering students	50	50	Feb. 1	May 1	
Room retainer fee for returning students	200				March 8
Eight equal payments on the first day of each month for entering students	6430	4180	July 1 through Feb. 1	July 1 through Feb. 1	
Eight equal payments on the first day of each month for returning students	6230	4180			July 1 through Feb. 1

\*This plan includes a \$20 service charge.

### Parent Loan Plan

Wellesley offers a Parent Loan Plan to enable parents whose combined income is between \$15,000 and \$75,000 annually to extend the payment period for college education expenses beyond four years. Wellesley provides funds for loans at an interest rate lower than is generally available commercially. Monthly payments begin at the time a student enrolls and extend over a period of six to eight years. Details can be obtained from the Office of the Vice President for Financial and Business Affairs.

### Financial Aid

The Wellesley College program of financial aid for students is intended to open educational opportunity to able students of diverse backgrounds regardless of their financial circumstances. No student should be discouraged from applying to Wellesley because of the need for financial aid. At Wellesley, admission decisions are made without regard for financial need, and only after a student is admitted does the Committee on Financial Aid consider applications for aid: 45 percent of Wellesley students receive financial aid; 40 percent receive aid directly from Wellesley

The Wellesley College Students' Aid Society, which sponsors loans, also offers personal assistance through loans of books and other items, gifts of clothing, and loans of small amounts of money for incidental expenses and special emergencies.

Financial aid is given only to students who require assistance in order to attend. Awards vary in size according to individual need and may equal or exceed the comprehensive College fee. Although awards are generally granted for one year at a time, the College expects to continue aid as needed throughout the four years for all financial aid students who continue to have need. Most awards consist of a package of work, loan, and grant.

In addition, Wellesley participates in the Supplemental Educational Opportunity Grant, National Direct Student Loan, and Work-Study federal programs.

The need for financial help sometimes exceeds the amount of resources Wellesley has available in any given year. Therefore, students are required to apply for federal or state grants for which they are eligible; if a student does not apply, the College reduces her grant by the amount she might have received. Also, students, whenever possible, should seek grants from local programs, from educational foundations, and from other private sources.

Wellesley College offers ten Town Scholarships to residents of the Town of Wellesley who qualify for admission and whose parents or guardian live in Wellesley. If these students live at home the scholarship is in the form of a full tuition grant. If these students choose to live on campus, the amount of financial aid is based on financial need and is determined by the same need criteria which apply to all other financial aid applicants.

The College expects students to contribute as much as possible to their own expenses through summer and term-time earnings. Academic-year campus jobs ordinarily involve six hours of work per week and enable students to earn approximately \$500 a year.

Further information on financial aid at Wellesley is contained in the bulletin *For the Prospective Student* which may be obtained by writing to the Financial Aid Officer, Wellesley College, Wellesley, Massachusetts 02181.

### Application for Financial Aid

Each registered applicant for admission who is applying for financial aid must file three forms: the Wellesley College Application for Financial Aid, the Financial Aid Form of the College Scholarship Service, and a certified copy of the latest federal income tax return.

### Application

The Wellesley College Application for Financial Aid should be returned to the Financial Aid Officer, Wellesley College, by November 1 from Early Decision applicants, February 1 from Regular Decision applicants and fall semester transfer applicants, and November 15 from spring semester transfer applicants.

### Financial Aid Form

This form is available in the secondary schools, or may be obtained by writing to the College Scholarship Service, Box 176, Princeton, New Jersey 08540; Box 881, Evanston, Illinois 60204; or Box 1025, Berkeley, California 94701. A copy can also be provided by the Financial Aid Officer if specifically requested by an applicant. The Financial Aid Form should be filed with the College Scholarship Service which will then forward a copy for confidential use to the college or colleges indicated on the form.

The Financial Aid Form must be filed by February 1 from Regular Decision applicants; February 1 from fall semester transfer applicants; and November 15 from spring semester transfer applicants. The 1978-79 Financial Aid Form must be filed by November 1 and the 1979-80 Financial Aid Form by February 1 from Early Decision applicants.

### Federal Income Tax Return

If a student is admitted and enrolls at Wellesley College, parents are required to submit a certified copy of their latest federal income tax return by July 1. The certified copy is forwarded directly to the College by the District IRS Office at the request of the parent. Financial aid awards are not final until the IRS form is submitted.

### Financial Aid for Transfers

Financial aid funds are available to assist a limited number of transfer students. If a transfer student continues to show need, she will be eligible to receive aid for the number of semesters which the Registrar determines will be necessary for degree completion.

### Jobs on and off Campus

A student interested in employment may register at the Office of Student Employment. This office assists students in obtaining summer employment as well as part-time work during the academic year. There are many opportunities for students to find part-time employment at the College and in the Town of Wellesley. The Office of Financial Aid and Student Employment is the clearinghouse for employment of students. Opportunities on campus include office work in academic and administrative departments, where financial aid students receive priority through the Financial Aid Office, in Schneider College Center, and work in small businesses run by students. Off campus, students have worked in offices, stores, and restaurants. A large number of local families employ students for child care and for other varieties of household work.

### Summers

The long summer vacation gives students ample time for work, travel, or study.

The Office of Financial Aid and Student Employment and the Career Services Office have information on summer opportunities. Counseling and advice are offered to students on the various possibilities available to match their interests and abilities.

Summer internships and other opportunities sponsored by the College are described on p. 43.

## Graduate Fellowships

A number of fellowships for graduate study are open to graduating seniors, and alumnae of Wellesley College, while others administered by Wellesley are open to women graduates of any American institution. Awards are usually made to applicants who plan full-time graduate study for the coming year.

Information and application forms may be obtained from the Secretary to the Committee on Graduate Fellowships, Office of Financial Aid, Wellesley College, Wellesley, Massachusetts 02181.

Applications and supporting credentials for fellowships are due by January 2, except for the Stevens Fellowship which is due December 15.

### For Graduates and Undergraduates of Wellesley College

Fellowships open to Wellesley College alumnae, graduating seniors, and undergraduates are listed below.

*Anne Louise Barrett Fellowship*, preferably in music and primarily for study or research in musical theory, composition, or in the history of music; abroad or in the United States.  
Stipend: \$3000

*Professor Elizabeth F. Fisher Fellowship* for research or further study in geology or geography, including urban, environmental or ecological studies. Preference given to geology and geography.  
Stipend: \$1000

*Horton-Hallowell Fellowship* for graduate study in any field, preferably in the last two years of candidacy for the Ph.D. degree, or its equivalent, or for private research of equivalent standard.  
Stipend: \$4000

*Edna V. Moffett Fellowship* for a young alumna, preferably for a first year of graduate study in history.  
Stipend: \$2500

*Vida Dutton Scudder Fellowship* for graduate study in the field of social science, political science, or literature.  
Stipend: \$2000

*Sarah Perry Wood Medical Fellowship* for the study of medicine. Nonrenewable.  
Stipend: \$5500

*Trustee Fellowships* are awarded on a competitive basis to seniors who intend to pursue graduate studies. These scholarships are

unrestricted as to field of study. The title Trustee Scholar is honorary and in cases of financial need stipends may be awarded to the scholars or, if not needed by them, to alternates who need financial assistance. All applications and credentials are due by January 2. Recipients share the total annual stipend.

Stipend: \$6000

*Fanny Bullock Workman Fellowship* for graduate study in any field.  
Stipend: \$3000

*Mary Elvira Stevens Traveling Fellowship* for travel or study outside the United States. Any scholarly, artistic, or cultural purpose may be considered. Candidates must be at least 25 years of age on September 1 of the year in which the fellowship is first held. Applications must be filed with the Secretary to the Stevens Fellowship Committee, Office of Financial Aid, before December 15.  
Stipend: \$8000.

*Peggy Howard Grants in Economics* for study by women who intend to become professional economists. Available to both especially qualified Wellesley College undergraduates or alumnae for post-graduate study or for special projects in economics. Funds vary in amount; applications and awards are made through the Department of Economics.

### For Graduates of Other Institutions and Wellesley College

Some graduate fellowships for study at the institution of the candidate's choice are administered by Wellesley College and are open to alumnae of any American institution, including Wellesley.

*Alice Freeman Palmer Fellowship* for study or research abroad or in the United States. Non-Wellesley candidates should file through their institutions. Wellesley will accept no more than four applications from another institution.  
Stipend: \$4000

*M. A. Cartland Shackford Medical Fellowship* for the study of medicine with a view to general practice, not psychiatry.  
Stipend: \$3500

*Harriet A. Shaw Fellowship* for study or research in music and allied arts, abroad or in the United States. The candidate must be no more than 26 years of age at the time of her appointment. Preference given to music candidates; undergraduate work in history of art required of other candidates.  
Stipend: \$3000



## Confidentiality of Student Records

Maintenance of the confidentiality of individual student educational records has been and continues to be important at Wellesley, as is a concern for the accuracy of each record. Under the provisions of the federal Family Educational Rights and Privacy Act of 1974, every Wellesley student is assured the right to inspect and review all college records, files, and data directly related to her, with certain exceptions such as medical and psychiatric records, confidential recommendations submitted before January 1, 1975, records to which the student has waived her right of access, and financial records of the student's parents. The student may also seek a correction or deletion where a record is felt to be inaccurate, misleading, or otherwise in violation of the privacy or other rights of the student. The Privacy Act also protects the privacy of personally identifiable information maintained in student records by prohibiting the release of such information (other than those facts defined below as "Directory Information") without the written consent of the student, except to persons such as officials or teachers within the College who have a legitimate educational interest in seeing the information, officials of other institutions in which the student seeks to enroll, the student's parents if the student is a dependent for tax purposes, and certain other persons and organizations.

The final regulations for the Act make clear that, in the case of students who are dependents of their parents for Internal Revenue Service purposes, information from the education records of the student may be disclosed to the parents without the student's prior consent. It is the policy of the College to notify both the student and her parents in writing of academic warnings, probationary status, and dismissal. It will be assumed that every student is a dependent of her parents, as defined by the Internal Revenue Code, unless notification to the contrary with supporting evidence satisfactory to the College is filed in writing with the Registrar by October 1 of each academic year. In communications with parents concerning other matters, it is normally College policy to respect the privacy of the student and not to disclose information from student education records without the prior consent of the student.

Copies of the Privacy Act, the regulations thereunder and the "Wellesley College Guidelines on Student Records" are available on request from the Office of the Dean of Academic Programs. Students wishing to inspect a record should apply directly to the office

involved. Questions should be directed to the Dean of Academic Programs. Complaints concerning alleged noncompliance by the College with the Privacy Act which are not satisfactorily resolved by the College itself may be addressed in writing to the Family Educational Rights and Privacy Act Office, Department of Health, Education and Welfare, 330 Independence Avenue, S.W., Washington, D.C. 20201.

## Directory Information

The Privacy Act gives to Wellesley the right to make public at its discretion, without prior authorization from the individual student, the following personally identifiable information: name; class year; home address and telephone number; college address and telephone number; major field; date and place of birth; dates of attendance at Wellesley College; degrees, honors and awards received; weight and height of student athletes; participation in officially recognized sports and activities; previous educational institution most recently attended.

The Privacy Act also allows individual students to place limitations on the release of any of the above information. A student who wishes to do this must file a special form with the Registrar, Green Hall, each year by July 1 for the following academic year.

In practice, College policies discourage the indiscriminate release of any information about individual students. College directories and lists are for use within the College community itself.

## Policy of Nondiscrimination

Wellesley College admits students, without regard to race, color, religion, or national origin, to all the rights, privileges, programs, and activities generally accorded or made available to students at the College. The College does not discriminate, on the basis of race, color, religion or national origin, in administration of its educational policies, admission policies, scholarship and loan programs, athletic and other college-administered programs or in its employment policies.

Wellesley College, as a private, undergraduate educational institution for women, does not discriminate on the basis of sex against its students in the educational programs or activities which it operates, and does not discriminate on the basis of sex in its employment policies, in compliance with the regulations of Title IX of the Education Amendments of 1972.

# Student Life



Intellectual growth is only part of the journey toward the full realization of one's talents and abilities. Wellesley College offers many opportunities for a student to develop self-confidence, sensitivity, and leadership abilities through participation in student organizations and college governance.

Many student groups reflect ethnic as well as social, political, and religious interests. Some of these organizations are Mezcla, an association of Chicana, American Indian, and Puerto Rican students; Ethos, an organization of Black students; the Asian Association, composed of Asian and Asian-American students; the Wellesley Women's Committee, a group of students, faculty, and staff interested in feminist issues; the Married Students Union, a new group which is seeking programs serving its special needs; and the Nonresident Council. A number of religious groups such as the Newman Club, the Wellesley Christian Fellowship, and the Wellesley Jewish Students offer many programs throughout the year. Other groups such as Archaeologists Anonymous and Club Français plan activities around academic interests.

Students are also responsible for a number of publications, among them *Wellesley News*, the weekly student newspaper; *Legenda*, the College yearbook; *Brown Sister*, a student publication for and about Third World women; *WRagtime*; the *Galen Stone Review*, a literary publication; and *Muse*, a newsletter of the Wellesley Women's Committee. WZLY, the campus radio station, is operated by an all-student staff.

Sports are a significant part of life at Wellesley. Some students compete on crew and tennis teams as well as in field hockey, basketball, squash, sailing, swimming, and water polo. Other students pursue physical education just for fun, or to stay in shape. Interests range from yoga and fencing to dance and scuba diving. The recreation building, which has a heated swimming pool, also has facilities for badminton, volleyball, squash, gymnastics, exercise, and dance. Lake Waban, on the campus, is used for water sports and ice skating.

The arts have always been a highly visible part of the Wellesley experience, and many musical and theatrical groups have been formed. The College Choir, the Madrigals, the Tupelos, the Collegium Musicum, the Chamber Music Society, the Chapel Choir, the Ethos Choir, the Carillonners Guild, and the MIT Orchestra all offer experiences for students with interests in music. Those inclined toward the theatre can choose among the Wellesley College Theatre, the Experimental

Theatre, the Shakespeare Society, and the Wellesley College Black Repertory Total Theatrical Experience. In addition to the productions of these groups, the Departments of Greek and Latin offer plays in the original text.

Life at Wellesley also includes a number of traditional social events. Fall Weekend, Sophomore Parents' Weekend, Spring Weekend, and International Weekend are supplemented by frequent informal parties. A weekly celebration, TSIF (Thank Schneider It's Friday), has a growing number of enthusiasts among faculty members and employees as well as students who come to Schneider College Center late Friday afternoons for beer, wine, ragtime piano, talent shows, and other informal entertainment.

Schneider Center, which also has a coffee house and conference rooms, is the location for much community activity. Supplementing the facilities and resources of Schneider are Slater International Center, which is the frequent setting for international events and celebrations, and Harambee House, the social and cultural center of the Black community at Wellesley. Throughout the year, Harambee sponsors such events as lectures and dance performances, many in conjunction with the Black Studies Department. Beit Shalom is the center for the Wellesley Jewish students and La Casa is the center for Mezcla students.

On weekends, many students move back and forth between the campus and activities in Cambridge and Boston. The student Senate provides buses on weekends to and from Harvard Square, opening up many opportunities for exploring urban life.

## Honor Basis

Inherent in Wellesley's system of democratic government, and its accompanying law, is the honor basis. As the vital foundation of government, the honor basis rests on the assumption that individual integrity is of fundamental value to each member of the community. Within the philosophy of self-government, the personal honor and responsibility of each individual as she approaches both the regulated and nonregulated areas of academic, social, and residence hall life in the Wellesley community are of central importance.

The honor system covers all duly adopted rules of the College for the government of academic work, for the use of college resources and for the special conduct of its members. Each student—degree candidate, exchange student, and special student—is bound by all the rules.

Each student is expected to live up to the honor system, as a member of the student body of Wellesley College, both on and off the campus. She should also remember that she is subject to federal, state, and local laws which are beyond the jurisdiction of Wellesley College.

The honor system can work only with full support among all members of the College community. In addition to upholding the regulations and spirit of the honor system personally, each student is responsible for the survival and success of the system as a whole. This includes guarding against and, if necessary, reporting any inadvertent or intentional abuses of the honor system by any member of the community.

### Residence Halls

Although some students live off campus, most live in one of Wellesley's 14 residence halls which are the focus of much campus life. Each is a community within a larger Wellesley community, and each has a character of its own. Much of the informal learning at Wellesley takes place in spontaneous discussions and debates at meals and in students' rooms. The diversity of Wellesley's students, who bring to the College differing lifestyles and cultural backgrounds, contributes much to this process.

The residence experience is also likely to include lectures, faculty, staff and alumnae Guests In Residence, group discussions, dinners with faculty members, and parties. One tradition, initiated in the early years of the College, is Wednesday afternoon tea—an informal occasion which continues to attract many students.

Members of all four classes live in each hall. Each residence hall also has a professional head of house, with the exception of Stone-Davis, Simpson East, and Pomeroy, which are staffed entirely by students. The head of house serves as an advisor and counselor to individuals and groups in the residence halls and as a liaison to the College community.

Students in each residence hall elect a House Council which administers the day-to-day details of living. The programming committee in each hall plans a variety of social, cultural, and educational events throughout the year. Each residence also elects representatives to the Senate, and these students consult with members of the residence hall on campus-wide issues and convey the feelings of the hall to the student government.

A residential policy committee reviews many aspects of residential life and is developing

ways to involve students in all areas of residential policy making. The Residence Office has been working to strengthen the involvement of faculty, staff, and alumnae in residence hall life.

Each of the residence halls contains single rooms, double rooms, and some suites. Incoming freshmen are placed in double rooms. The cost of all rooms is the same, regardless of whether they are shared, and students are required to sign a residence contract. Each hall has a spacious living room, smaller common rooms, and a study room. All but three have dining facilities, and in the remaining halls, facilities are open on a five-day or seven-day basis. There are limited kitchenette facilities in the halls for preparing snacks or for use when entertaining. Each building is equipped with coin-operated washers and dryers.

The College supplies a bed, desk, chair, lamp, bookcase, and bureau for each resident student. Students may rent linen or supply their own. Students supply blankets, quilts, and their own curtains, pictures, rugs, and posters. They clean their own rooms and contribute two or three hours a week answering the telephones and doing other miscellaneous jobs which are scheduled by the student heads of work.

### Counseling Resources

The College has a number of professionally trained staff members who are available for consultation on academic or personal matters. The academic advisors have the major responsibility for advising students on academic matters, including questions about choosing a major, or difficulties in adjusting to a program. Special tutoring and programs in study skills are arranged through the academic departments and the Dean of Academic Programs.

It is very common for a student at some time during her college years to feel the need to talk over personal concerns with people other than friends and roommates. Professionally trained people are always available, and **complete confidentiality** is maintained at all times.

The staff of the College Counseling Services includes persons trained in psychiatry, psychology, social work, and counseling. This staff is available for discussion of any type of problem. Long-term psychotherapy is not provided at the College, but the resources for such treatment are available in the surrounding area.

Other Student Services resource people include the professional staff in the residence halls, the student activities staff in Schneider Center, Harambee House and Slater International Center, and the Chaplain and other advisors to religious groups. Faculty members are also available to talk with students.

### Religious Resources

Wellesley seeks to respond sensitively to a variety of religious traditions. The College encourages independent religious involvement on the part of its students.

The College Chaplaincy offers a wide variety of religious, personal growth, and social action programs and voluntary service opportunities. The Chaplain and other members of the chaplaincy staff are regularly available for religious and personal counseling.

The Chaplain also officiates at regular Sunday morning worship, an ecumenically oriented Protestant service in Houghton Memorial Chapel with many guest preachers invited during the year. Attendance at all worship services is voluntary.

Students may also major in religion and biblical studies, or take elective courses in these fields.

### College Health Services

The services of the College physicians, psychiatrists, and nurses are available at Simpson Infirmary which includes a 21-bed hospital and an outpatient clinic. Regular full-time students and part-time continuing education students who carry three or more courses are eligible for care. There is no health fee. Appropriate charges are made for inpatient care; medical, psychiatric, and surgical services which are usually covered by insurance, laboratory studies, elective examinations or procedures, immunizations, and treatment for pre-existing or ongoing conditions. A College sponsored student insurance plan is available. Boston has long been one of the major medical centers in the country, and consultation with specialists in all medical fields is easily available.

Besides the usual care given by College Health Services, members of the Wellesley medical staff serve on a student-staff health committee. This committee works on ways to expand the use of the health services and arranges special programs in response to student interests.

The confidentiality of the doctor-patient relationship is carefully preserved. **College medical personnel will not share any medical information concerning a student with any College authorities, or with the parents of students, without the consent of the student.** It may be necessary to disclose minimal information to insurance companies for verification of medical claims. Students are required to enroll in the College Student Health Insurance Plan unless they have equivalent coverage.

Parents are requested to sign a statement authorizing the College to proceed with appropriate treatment in the case of serious illness or emergency in the event they cannot be reached by telephone.

### Career Services

The Career Services Office provides a complete range of services, and students are encouraged to maintain contact with the Office throughout their careers at Wellesley. All services are available to alumnae.

The Resource Center, open Monday through Friday, 10:00 a.m. to 4:30 p.m., houses information on specific professions and career options, graduate and professional study, entrance examination requirements, and opportunities for work and study abroad. The Resource Center maintains a file of alumnae who are willing to talk to students about their graduate study and/or career experience.

The Career Services Office will assist a student in the following ways:

### Counseling

Individual appointments for advice and discussion of career goals are arranged through the Career Services Office. Many students who are unsure of their future plans find that the counselors aid them in establishing broad goals and students should not feel that the services of the Office are restricted to those who have a clear notion of what they intend to do after graduation. The first appointment is often spent in establishing a relationship between student and counselor so that the advice and assistance may be tailored to the individual. "Drop in" hours are held four afternoons a week on a first come, first served basis for students who wish to share news or ask brief questions.

Group counseling sessions are held to explore areas of common concern about either broad career related topics or specific occupations. Group workshops on such topics as

resume writing and interviewing are available, and they take a variety of forms from simple discussion to role playing and group critique.

### Recruiting

The Career Services Office arranges interviews with recruiters from over 50 companies. Students are notified of impending visits by postings in the Office, in the *Weekly Bulletin* and in the *Career Planning News*, and are advised to consult with a career counselor prior to the interview.

### Job Notices

Job notebooks are maintained by Career Services and are open to all students and alumnae. Notices of job openings are filed in these notebooks as they are received by the Office.

### Graduate Schools

Students seeking information on the academic programs at specific graduate and professional schools should speak with their academic advisors and members of the faculty as well as career counselors. The Career Services Office provides complete assistance and materials for application to graduate school, including graduate school and professional school examinations, copies of recommendations solicited by the students but maintained on file at the Office, and advice on completing graduate school applications.

### Internships

The Career Services Office is the center for information concerning all internships and can direct students to the appropriate faculty members for those programs administered by college academic departments. All internships require early application and considerable planning; students interested in internships should consult Career Services well in advance.

### Scholarships and Fellowships

The Career Services Office provides information and assistance on a wide variety of scholarships and fellowships, some for very specific institutions or fields of interest, and others with more general application. A full listing and description of scholarships and fellowships is maintained in the Resource Center.

### Recommendations

All students are encouraged to build a reference file with the Career Services Office; all references remain available for students and alumnae and will be forwarded to schools and employers upon request. In addition to recommendations from faculty, students should consider obtaining references from summer employers, from responsible individuals with whom the student has worked on internships or special programs, and from faculty members at schools she attends on exchange programs. The Career Services Office provides standard recommendation forms acceptable to graduate schools and employers unless forms are provided in application materials.

## Academic Summary

	Resident	Non-resident	Class Totals	Totals
Candidates for the B.A. Degree				1,955
Seniors	446	59	505	
Juniors	349	24	373	
Sophomores	518	28	546	
Freshmen	519	12	531	
Candidates for the M.A. Degree		2		2
Continuing Education Students		109		109
Nondegree Candidates	33	4		37
Special Students		41		41

**Geographic Distribution of  
Students in 1977-78**

**Students from the United States and  
Outlying Areas**

Alabama	5
Alaska	1
Arizona	13
Arkansas	5
California	102
Colorado	12
Connecticut	119
Delaware	7
District of Columbia	18
Florida	26
Georgia	13
Hawaii	18
Idaho	3
Illinois	43
Indiana	16
Iowa	4
Kansas	7
Kentucky	11
Louisiana	6
Maine	21
Maryland	48
Massachusetts	561
Michigan	32
Minnesota	24
Mississippi	2
Missouri	12
Montana	3
Nebraska	4
Nevada	2
New Hampshire	29
New Jersey	129
New Mexico	3
New York	307
North Carolina	11
Ohio	73
Oklahoma	3
Oregon	10
Pennsylvania	91
Rhode Island	11
South Carolina	7
South Dakota	3
Tennessee	8
Texas	39
Utah	2
Vermont	15
Virginia	54
Washington	14
Wisconsin	17
Wyoming	2
Canal Zone	1
Puerto Rico	14
Total	1,986

**Students from Other Countries**

	<b>Foreign Citizens</b>	<b>U.S. Citizens Living Abroad</b>
Bangladesh	2	
Brazil	1	1
Canada	2	1
China, Rep. of	6	
Colombia	4	
Costa Rica	1	
Denmark	1	
Egypt	1	
England	7	1
France	2	2
Germany	4	1
Ghana	1	
Greece	1	
Guatemala	1	
Haiti	4	
Honduras	2	
Hong Kong	5	
India	11	
Indonesia	2	
Iran	6	
Italy	3	1
Jamaica	5	
Japan	4	3
Kenya	1	
Korea	14	2
Lebanon	2	
Libya		1
Malaysia	3	
Morocco	1	
Nepal	2	
Netherlands/Antilles	1	
Nigeria	2	
Pakistan	4	
Panama	1	1
Peru	1	
Philippines	4	
Saudi Arabia	2	
Singapore	2	1
South Africa	1	
Spain	1	
Sri Lanka	1	
Sudan	2	
Sweden	1	
Switzerland		2
Thailand	1	1
Trinidad	1	
Turkey	2	1
Venezuela	2	1
Vietnam	5	
West Indies	3	
Yugoslavia	1	
Zaire	1	
Total	138	20



# The Campus



Wellesley College has a campus of more than 500 acres bordering on Lake Waban. There are woodlands, hills and meadows, an arboretum, ponds, and miles of footpaths. In this setting are 64 buildings, with architectural styles ranging from Gothic to contemporary.

The focal point of the campus is the Galen Stone Tower, named for its donor. The tower rises 182 feet from Green Hall, the administration building, and contains a 30-bell carillon. It is an excellent vantage point from which to view Wellesley's campus and beyond.

## **Academic Facilities**

### **Classrooms**

The two primary classroom buildings, Founders Hall and Pendleton Hall, are located in the academic quadrangle. The humanities are taught in Founders and the social sciences in Pendleton East.

### **Science Center**

The Science Center, operating for the second year, incorporates an extensive array of innovative facilities and equipment. Wellesley has always held to the teaching practice of active student involvement, and therefore all available scientific equipment is for student use.

The new building houses the science library, comprising over 66,000 volumes from five separate departmental collections. Group study rooms, carrels, audio-visual and tutorial rooms, duplicating equipment and microfilm facilities are under the supervision of a trained science librarian.

Other special equipment and facilities include two electron microscopes, two NMR spectrophotometers, and an x-ray diffractometer. There are also environmental rooms, animal quarters, a holograph room, closed circuit TV and a human performance laboratory.

### **Greenhouses**

Classrooms in the Biological Sciences Department open directly into the Margaret C. Ferguson Greenhouses, named after a former Wellesley professor of botany. The climate in the greenhouses ranges from temperate to tropic with many excellent examples of trees and flowers which flourish in the respective temperatures. There is considerable space

for experiments by faculty and students. The greenhouses are open to the public throughout the year.

### **Observatory**

The Whitin Observatory contains laboratories, classrooms, darkrooms, and the library of the Astronomy Department. Its research equipment includes a 6-inch, a 12-inch, and a 24-inch telescope. The observatory was a gift of Mrs. John C. Whitin, a former trustee of the College. It was built in 1900, enlarged in 1962 and 1966, and is considered to be an unusually fine facility for undergraduate training in astronomy.

### **Computer Facilities**

Many courses and research projects at Wellesley involve the use of a computer. The College has its own DEC-20 computer, located in the Science Center, and in addition has access on a time-sharing basis to other computers in New England. Computer terminals are located in the Public Terminal Room of the Margaret Clapp Library, in the Science Center, and at various locations in academic buildings.

### **Arts Center**

The Jewett Arts Center, completed in 1958, consists of the Mary Cooper Jewett art wing and the Margaret Weyerhauser Jewett music and drama wing. Linking the two buildings is the Wellesley College Museum.

The Museum is open to the general public. It includes a fine collection of classical, medieval and Renaissance sculpture, old master paintings, prints and drawings, and contemporary painting. In addition to the permanent collection, exhibitions are arranged throughout the academic year.

The art wing contains photography darkrooms, classrooms, an extensive library, and offices of the Art Department and museum. The music and drama wing contains the music library, listening rooms, practice studios, and classrooms and offices of the Music Department. A collection of musical instruments of various periods is available to students.

The Jewett Auditorium, a theatre seating 320 persons, was designed for chamber music performances, and is also used for special events. In addition, there are rehearsal rooms and other theatre facilities.

Pendleton West, part of the Arts Center, contains laboratories, studios, and a sculpture foundry.

## Margaret Clapp Library

The third enlargement and complete remodeling of the Margaret Clapp Library was finished in 1975. At the center of the modern and functional building is the reference room which distinguished the original building erected in 1910.

The library's holdings approach 600,000 volumes and contain in addition an important collection of public documents. Subscriptions to periodicals number over 2,400. The Special Collections include letters, manuscripts, and rare books of distinction.

The language laboratory and a new listening room for the collection of spoken and dramatic recordings are part of the library. A lecture room is available for meetings.

## Child Study Center

Wellesley College opened the Child Study Center in the fall of 1969 under the direction of the Psychology Department. It is located in the Anne L. Page Memorial Building, used for many years to house the College nursery school. The center serves as a laboratory in which Wellesley undergraduates can study the development of children ages two through five. Students also have the opportunity to work as assistant teachers in the classroom.

## Residence Halls

Each residence, its student capacity and location, is listed below:

Munger	144 students	Northwest
Beebe	125 students	
Cazenove	135 students	
Pomeroy	135 students	
Shafer	130 students	
Tower Court	250 students	West
Clafflin	130 students	
Severance	154 students	
Stone	115 students	Southeast
Davis	117 students	
Bates	130 students	Northeast
Freeman	130 students	
McAfee	135 students	
Simpson East	16 students	

## Physical Education Facilities

Classes for all indoor sports and for modern dance are conducted in Mary Hemenway Hall and in the nearby Recreation Building. The latter has game rooms, badminton and squash courts, and a swimming pool. Outdoor water sports center around the boathouse where the canoes, sailboats, and crew shells

are kept. Wellesley also maintains a 9-hole golf course, 24 tennis courts, hockey and lacrosse fields, and a ski slope.

## Extracurricular Facilities

### Alumnae Hall

The largest auditorium on the campus, seating 1500 people, is in Alumnae Hall. It also has a large ballroom and houses the Wellesley College Theatre and the College radio station, WZLY. Visiting lecturers, concert artists, and professional theatre groups often appear there. The building was erected in 1923 and is the gift of Wellesley alumnae.

### Chapel

The Houghton Memorial Chapel was presented to Wellesley in 1897 by the son and daughter of William S. Houghton, a former trustee of the College. The chapel's stained glass windows commemorate the founders and others, while a tablet by Daniel Chester French honors Alice Freeman Palmer, Wellesley's second president. The chapel, which seats 1100 people, is a setting for lectures and community meetings as well as religious services.

### Schneider College Center

The center for extracurricular life at the College is Schneider College Center. Its facilities provide lounge areas, a snack bar, meeting rooms, offices for student organizations, and a coffee house. It also contains the offices of the Coordinator of Student Services, the Director of Residence, and the Chaplain.

Harambee House and Slater International Center are complementary adjuncts to Schneider.

### Harambee House

Harambee House is the cultural and social center for the Black community at Wellesley. The Center's diverse program offerings, which highlight various aspects of Black culture, are open to the College community. Harambee houses a growing library of the history and culture of African and Afro-American peoples and boasts a new record library (classical-jazz records by Black artists). The House also contains offices for Ethos, the

Black student organization, and other student organizations, as well as rooms for seminars, meetings, and social gatherings.

### **Slater International Center**

Slater International Center is an informal meeting place for foreign and American students and faculty. The Center serves campus organizations which have an interest in international affairs and helps to sponsor seminars and speakers on international topics. Located in the Center is the Foreign Student Office, which handles immigration and all nonacademic counseling for students from abroad. The Slater Executive Committee, composed of students, faculty, and staff, shares with the Center's staff the responsibility for the policies and programs of the Center. Slater is the headquarters for the Foreign Students Association, providing a place where foreign students may study, cook, entertain, and get to know each other better.

### **La Casa**

La Casa serves as the center for Mezcla, the organization for Puerto Rican, Chicana, and Native American students. Located in La Casa are a kitchen, offices, and a common room with a library and record collection.

### **Beit Shalom**

Beit Shalom, the religious, cultural, and social center for the Wellesley Jewish community, houses study rooms and kosher kitchen facilities as well as a dining room for Sabbath dinners.

### **Society Houses**

There are three society houses for special interest groups. Each house has kitchen and dining facilities, a living room, and other gathering rooms. Members are drawn from all four classes, beginning with second semester freshmen. Shakespeare House is a center for students interested in Shakespearean drama. Tau Zeta Epsilon House is oriented around art and music; and Zeta Alpha House provides a setting for students with an interest in modern drama.

## **Other Campus Facilities**

### **Green Hall**

The offices of the president, the board of admission, the deans, and all administrative offices directly affecting the academic and business management of the College are located in Green Hall. The building has large rooms for Academic Council and trustee meetings, class and seminar rooms, and some faculty offices. Named for Hetty R. Green, the building was erected in 1931.

### **Infirmiry**

Simpson Infirmary is a 21-bed licensed hospital, approved by the American Hospital Association, with an outpatient clinic built in 1942. It is connected to the original infirmary which was built in 1881.

### **President's House**

The President's House, formerly the country estate of Wellesley's founders, the Durants, is located on a hill just south of the main campus. The spacious lawns border Lake Waban. Remodeled and renovated in 1968, it is frequently the scene of alumnae and trustee gatherings as well as receptions for distinguished visitors, for entering students, and for graduating seniors and their parents.

### **Wellesley College Club**

The Wellesley College Club is a center for faculty, staff, and alumnae. Its reception and dining rooms are open to members, their guests, and parents of students for lunch and dinner and are also used for many special occasions. Overnight accommodations are also available for alumnae and for parents of students and prospective students.

### **Wellesley College Center for Research on Women**

The Center for Research on Women, funded by a grant from the Carnegie Corporation, was established in the summer of 1974 and is sponsored jointly by Wellesley College and the Federation of Organizations for Professional Women. The Center conducts policy-oriented studies of women's educational needs and examines paid and unpaid work in the context of increasing life choices for both men and women.

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# Academic Program



The curriculum provides a framework within which students are invited to explore various fields in the arts and sciences. In developing the curriculum, the faculty presents diverse offerings among which the student will gradually discover interrelationships. Through study of different disciplines and bodies of knowledge, students perceive the coherence that is traditionally termed a liberal arts education. When students decide on an area of concentration they then elect courses in other fields to provide complementary or contrasting experiences. These, together with the major, constitute the normal experience of the liberal arts curriculum.

By the time the Bachelor of Arts degree is earned, the student should be acquainted with the main fields of human interest, capable of integrating knowledge from various fields, and prepared for continuous scholarly growth and responsible participation in society. In the major field, the student is expected to demonstrate maturity of thought, acquaintance with recognized authorities in the field, and general competence in dealing with sources of research or analysis.

### **Requirements for Degree of Bachelor of Arts**

Each candidate for the degree of Bachelor of Arts is required to complete 32 units of academic work at a C average or better. Each semester course is assigned one unit of credit. The normal period of time in which to earn the degree is four years and a normal program of study includes from three to five courses a semester. Freshmen are encouraged to carry a maximum of four courses each semester, but upperclass students may take five.

Courses are classified in Grades I, II, and III. Introductory courses are numbered 100-199 (Grade I); intermediate courses, 200-299 (Grade II); advanced courses, 300-399 (Grade III). Each student must include at least four units of Grade III work, at least two of which shall be in the major. The program in the senior year may not include more units of Grade I than of Grade III work, and at least two must be Grade III.

### **Distribution Requirements**

In order to provide students with as much flexibility as possible, Wellesley requires no specific courses. To insure, however, that students gain insight and awareness in areas outside their own major fields, the College does require that they choose three semester courses in each of three general areas during the four year period. (Courses numbered 350—Research or Individual Study—do not satisfy this requirement.)

The three groups of academic disciplines are:

#### **Group A**

##### **Literature, Foreign Languages, Art, and Music**

Three units chosen from courses in the Departments of Art, Chinese, English, French, German, Greek and Latin, Italian, Music, Religion and Biblical Studies (Greek and Hebrew), Russian, Spanish; or from those courses offered by the Department of Black Studies and from those extradepartmental literature courses which are designated as fulfilling the requirement in Group A.

#### **Group B**

##### **Social Science, Religion and Biblical Studies, Philosophy, and Education**

One or two units chosen from courses in the Departments of History, Philosophy, Religion and Biblical Studies, and courses offered by the Department of Black Studies in these fields; and Education 101 and

One or two units chosen from courses in the Departments of Anthropology, Economics, Political Science, Psychology, Sociology, and courses offered by the Department of Black Studies in these fields.

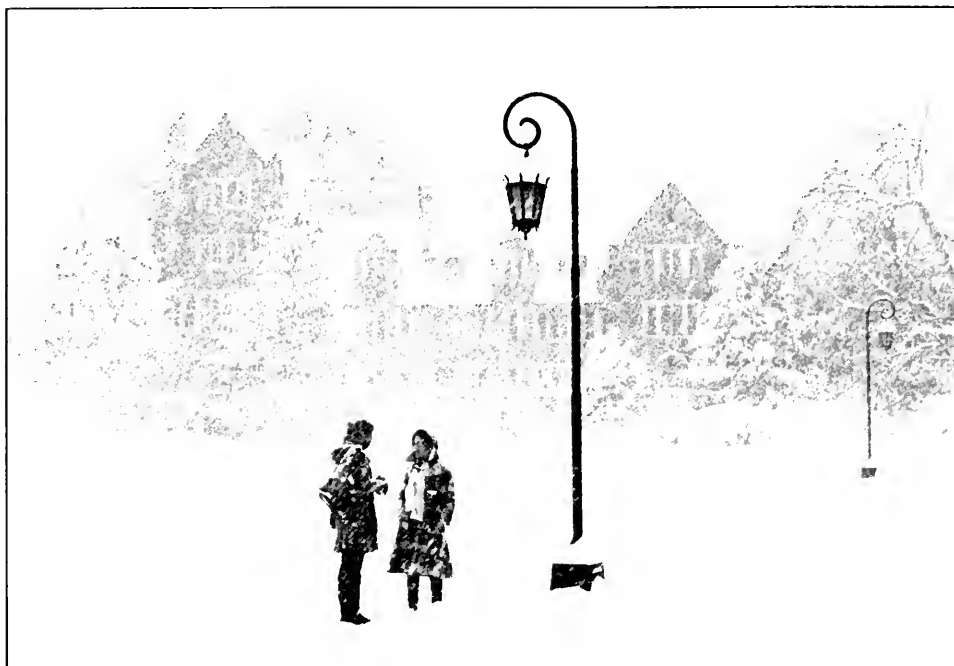
#### **Group C**

##### **Science and Mathematics**

Three units, at least one of which shall be a course with laboratory, chosen from courses offered in the Departments of Astronomy, Biological Sciences, Chemistry, Geology, Mathematics, and Physics.

#### **Foreign Language Requirement**

Before the beginning of the senior year students must exhibit a degree of proficiency in the use of one foreign language, either ancient or modern. Many students fulfill this requirement by passing one of the language tests offered by the College Entrance Exami-



nation Board (CEEB). Wellesley requires a score of 610 or better on the CEEB Achievement Test, or a score of at least 3 on the Advanced Placement Examination (AP). This requirement can also be met by the completion of 2 units of language study at the second year college level or 1 unit of language study above the second year college level.

Students may take introductory courses in only two modern foreign languages.

Fulfillment of the foreign language requirement through work done at another institution must be approved by the appropriate department. A student whose native language is not English will be exempted from this requirement, subject to approval of the class dean and Academic Review Board

### Other Requirements

Students are expected to use acceptable standards of spoken and written English in their college work. Special assistance in English, mathematics, and other basic and special skills is offered at the College.

In addition, all students must complete the physical education requirement described on p. 120 for which no academic credit is given.

### The Major

Students may choose from among 26 departmental majors, five interdepartmental majors—classical civilization, classical and Near Eastern archaeology, East Asian studies, medieval/renaissance studies, and molecular biology—or they may design an individual major. Of the 32 units required for graduation, at least 8 are to be elected in the major, and at least 18 must be elected outside of any one department.

Students who are interested in an individual major submit a plan of study to two faculty members from different departments. This plan should include 4 units in one department above the introductory level. The program for the individual major is subject to the approval of the Committee on Curriculum and Instruction. Some students wish to center their study upon an area, a period, or a subject which crosses conventional departmental lines. Examples of possible area studies include American studies, Italian culture, Latin American studies, Russian studies; of periods, the Middle Ages, the Renaissance, of subjects, comparative literature, international relations, theatre studies, urban studies.

In the second semester of the sophomore year each student elects a major field and

prepares for the Registrar a statement of the courses to be included in the major. Later revisions may be made with the approval of the chairman of the major department, or in the case of the individual major, with the student's advisors, and be presented to the Registrar not later than the second semester of the junior year.

### **Academic Standards**

Academic standards at Wellesley are high, and students take full responsibility for attending classes, submitting required work on time, and appearing for examinations. If students have difficulties with course work, become ill, or have other problems which interfere with their academic work, they should consult with their class deans for assistance in making special arrangements for their studies.

Students are expected to maintain at least a C average throughout the college career. At the end of each semester each student's record is reviewed, and appointments with the class dean are arranged if needed. The College tries to provide the appropriate support services to students in difficulty. Students who show consistent effort are rarely excluded from the College.

### **Credit for Advanced Placement Examinations**

Students entering under the Advanced Placement Program of the College Entrance Examination Board, and who make the scores specified by Wellesley College, will receive credit toward the B.A. degree, provided they do not register in college for courses which cover substantially the same material as those for which they have received Advanced Placement credit. Two units of credit will be given for each AP examination in which a student received a grade of 4 or 5 with the following exceptions: 1 unit of credit will be given for the Latin 4 examination; 1 unit of credit will be given in the Mathematics AB examination; 1 unit of credit for a score of 3 in the Mathematics BC examination. Not more than 2 units are credited in any one department.

### **Credit for Other Academic Work**

Of the 32 units required for the degree of Bachelor of Arts, a student may earn a maximum of 16 units through a combination of the following: AP examinations (no more than 8); courses taken at another institution during the summer or the academic year; or study independent of Wellesley courses which is

then evaluated by examination by a Wellesley department. (See Examinations.) Four units may be earned in summer school, or by a combination of summer school and summer independent study. No more than 2 units may be earned for summer independent study. Eight units, in addition to summer school, may be earned through courses taken at another institution. Students, including transfer students, must complete 16 units at Wellesley. Candidates for the B.A. degree in the program for Continuing Education must complete a minimum of 8 units of work at the College.

### **Preparation for Medical School**

Medical and dental schools require special undergraduate preparation. Students should consult as early as possible with the premedical advisory committee to plan their sequence of courses. Trends in medicine indicate that public health, health policy planning and administration, and other new professional categories are among the many alternatives available to women in the health professions. Students interested in these new careers in the health professions should also consult with the premedical advisory committee.

### **Exemption from Required Studies**

Students may be exempted from any of the studies required for the degree, provided they can demonstrate to the department concerned a reasonable competence in the elements of the course. Exemption from any of the studies required does not affect the general requirement for completion of 32 units of credit. It does, however, make it possible for some students to select more advanced courses earlier in their college careers.

Such exemption may be achieved in one of two ways: a score of 4 (Honors) or 5 (High Honors) on the CEEB AP tests, or passing a special exemption examination. Permission for the exemption examination must be obtained from the class dean and the chairman of the department concerned. In addition to the evidence offered by the examination, some departments may require the student to present a paper or acceptable laboratory notebook.

### **Research or Individual Study**

Each academic department provides the opportunity for qualified students to undertake a program of individual study directed by a member of the faculty. Under this program



an eligible student may undertake a research project or a program of reading in a particular field. The results of this work normally are presented in a final report or in a series of short essays. The conditions for such work are described under the course numbered 350 in each department. Wellesley offers further opportunities for research and individual study. (See Honors in the Major Field.)

### **Credit for Summer School and Summer Independent Study**

Some students undertake planned programs of summer independent study which they have designed with members of the faculty and their class dean. Two units of credit may be earned in this way. Four units may be earned by a combination of summer school and independent study. Other students attend summer school. The amount of summer school credit allowed toward the degree is limited to 4 units, and is not automatic. Students should consult their class deans and appropriate departments before enrolling in summer school courses for which they expect credit toward the Wellesley degree.



### **Academic Review Board**

The Academic Review Board is the principal body for review of academic legislation and for overseeing each student's academic progress. It is composed of the class deans, the Director of Continuing Education, and seven elected faculty and student representatives. The student members of the Academic Review Board do not participate in discussions of individual student's standing, but they do contribute to discussions of academic policy and of student requests for exceptions to regulations. The Board researches and recommends changes in academic policy and is also responsible for proposing an annual calendar of academic appointments.

### **Grading System**

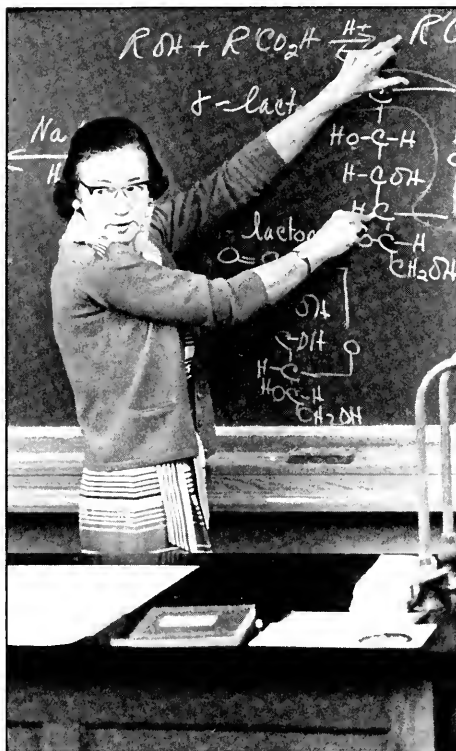
Students have the option of electing courses on a letter or nonletter grading system. At the beginning of the eighth week of a semester, students notify the Registrar and their instructor whether they plan to take the course for a letter grade or on the credit/noncredit basis. Credit is given to students who have attained a satisfactory familiarity with the content of a course and have demonstrated ability to use this knowledge in a competent manner. If credit is not earned the course does not appear on the student's permanent record.

### **Examinations**

An examination period occurs at the end of each semester. Within this period students may devise their own examination schedules for the majority of courses. Examinations are scheduled for some art, music, and foreign language courses which require audiovisual equipment. Special examinations are offered in September to qualified students to earn credit for work done independently, for admission to advanced courses without the stated prerequisites, and for exemption from required studies.

Students who wish credit for work done independently in the summer should consult the appropriate department and the class dean, and should apply to the Registrar at least a month in advance for a special examination to be given at the beginning of the college year.

Examinations may be taken for credit, for admission to a more advanced course, or for exemption from the required studies in Groups A, B, and C. Examinations for credit passed at a satisfactory level also count for advanced placement and/or exemption; examinations for advanced placement also



count for exemptions. Examinations passed at a satisfactory level for exemption do not count for credit.

### Registration for Courses

All returning students must register in the spring for the courses they select. Upon returning to college in the fall the student will be issued a schedule card that must be followed unless other arrangements are made. All changes to this schedule must be recorded in the Registrar's Office by the end of the second week of classes. A student will not receive credit for a course unless she has registered for it, and a student who has registered for a course will remain registered unless she takes formal action to drop it.

Any conflicts in scheduling must be reported to the Registrar's Office immediately. A student is not permitted to take a course if it conflicts with any other course on her schedule.

### Adding or Dropping Courses

Add/Drop cards are available from the Registrar's Office after the first week of classes. A student may submit only one Add/Drop card, and it must include all changes in the schedule for that semester. Permission is required from the department chairman or the major advisor if the student wishes to drop a course which affects the major. If a course is dropped, with the permission of the class dean, before the beginning of the eighth week, it will not appear on her record.

### Auditing Courses

A student who wishes to attend a class as a regular visitor must have the permission of the instructor. Auditors may not submit work to the instructor for criticism, and audited courses will not be considered for credit.

### Acceleration

A few students complete all the requirements for the degree in less than the usual eight semesters. After two semesters at Wellesley, students who wish to accelerate should consult their deans and then write a letter to the Academic Review Board, petitioning to fulfill the requirements in less than the normal period of time.

The petition should include the month and year in which the degree requirements will be fulfilled, and all units which will be counted toward the degree.

Normally, a plan to accelerate must include 8 units at Wellesley in two consecutive semesters during the junior and senior years. In accumulating units in addition to courses taken at Wellesley, an accelerating student may count:

Advanced Placement credit (no more than 8 units);

a maximum of 4 units earned either in summer school or by a combination of summer school and independent study during the summer, validated by the College. No more than 2 units may be earned for summer independent study; and

a maximum of 2 units of college or university credit earned prior to graduation from secondary school, which is not included in the units of secondary school work required for admission.

An accelerating student must maintain a C average at all times.

## Leave of Absence

Recognizing that many students benefit educationally if they interrupt the normal sequence of four continuous years at Wellesley, the College has established a policy for temporary leaves of absence. Leaves may be taken for as short a period as one semester or as long as two years, and for a variety of reasons which may include study at another institution, work, travel, or other activities which meet personal needs. Application for leave of absence may be made to the class dean at any time after a student has completed at least one year at Wellesley. A student who goes on leave of absence cannot remain in residence on campus more than 48 hours after the effective date of leave.

To obtain permission to spend the year at another institution as nonmatriculated students or guests, students submit a detailed plan to the class dean or advisor and, if a major has been chosen, to that department. The plan should list the course of study for the year and justify its relationship to the four year program. Students must also submit a statement signed by the dean or registrar of the other institution recognizing their status as nonmatriculated students who will return to Wellesley to complete their work for the degree.

## Withdrawal

### Voluntary Withdrawal

Students who plan to withdraw must inform the class dean. A withdrawal form will then be sent to the parents or guardian for their signature. The official date of the withdrawal is the date agreed upon by the student and the class dean and written on the withdrawal card which is signed by the class dean. The withdrawal date is important in order to compute costs and refunds. (See Refund Policy p. 19.) Students who have officially withdrawn from the College cannot remain in residence on campus more than 48 hours after the effective date of withdrawal.

### Required Withdrawal

The College reserves the right to require the withdrawal of any student whose academic work falls below its standards, who violates its rules and regulations or the rights of others, or whose continuing presence constitutes a risk to the health, safety, or general well-being of the College community or herself. In addition, the College may require the withdrawal of any student who fails to meet financial obligations to the College.

## Readmission

A student who has withdrawn from the College and wishes to return should apply to the Office of the Dean of Academic Programs for the appropriate forms. Readmission will be considered in the light of the reasons for withdrawal and reapplication, and in the case of resident students, available residence hall space. A nonrefundable fee of \$15 must accompany the application form for readmission.

## Special Academic Programs

### Cambridge Humanities Seminar

The Cambridge Humanities Seminar is a collaborative effort by universities in the Boston-Cambridge area to enrich and diversify their interdisciplinary offerings in the humanities at an advanced level. The program is centered at the Massachusetts Institute of Technology and offers subjects to students in the humanities at participating institutions during the last two years of undergraduate and the first two years of graduate work, in an area of scholarship periodically determined by its membership. The program currently involves faculty in literature, history, philosophy, and fine arts. Its current subject is the idea of the past as it plays a role in the study of various cultural activities. All subjects have limited enrollment. For further information, contact Mrs. Stadler, Chairman of the Philosophy Department.

### Freshman-Sophomore Colloquia

These courses are designed for freshmen and sophomores to undertake concentrated study of a significant, well-defined topic. They offer students the opportunity to work in small groups in association with individual faculty members. They are similar to advanced seminars in method and approach in that they stress discussion, independent work, and oral and written presentations.

### Cross-Registration Program with the Massachusetts Institute of Technology

A program of cross-registration of students at Wellesley and the Massachusetts Institute of Technology was officially inaugurated in 1968-69. The program allows students to elect courses at the other institution, and

extends the diversity of educational experiences available in the curricula and in the environments of both. The two schools combine their academic, extracurricular, and operational resources while maintaining the separate strengths, independence, and integrity of each institution.

A Wellesley student interested in exploring the possibilities of electing a specific course at MIT should consult the exchange coordinator, the department advisor, or the appropriate exchange program faculty advisor. Registration in MIT courses takes place each semester, and application must be made in the Exchange Office during the preceding semester. Since the number of participants in the exchange is limited, upperclass students are given preference.

### **The Twelve College Exchange Program**

Wellesley belongs to a consortium which includes Amherst, Bowdoin, Connecticut College, Dartmouth, Mount Holyoke, Smith, Trinity, Vassar, Wesleyan, Wheaton, and Williams. The consortium also includes the National Theater Institute, accredited by Connecticut College, and the Williams College Mystic Seaport Program in American Maritime Studies. Students in good standing may apply through the exchange coordinator for a semester or full academic year in residence at any of the member institutions. The number of places is limited and admission is competitive. Preference is given to students planning to participate in their junior year.

### **The Wellesley-Spelman Exchange Program**

Wellesley maintains a student exchange program with Spelman College in Atlanta, Georgia, a distinguished Black liberal arts college for women. The exchange, initiated as a three-year experimental program in 1974-75, was approved in spring 1977 as one of the continuing exchange opportunities available to students.

The program is open only to students in their junior year, with a maximum four-semester enrollment per year (one to four students) at each institution. Students may apply through the office of the exchange coordinator.

### **The Junior Year Abroad**

Qualified students may apply for admission to various groups spending the junior year in Europe and in other foreign countries. A few Wellesley Slater Junior Year Abroad scholarships are available to juniors, eligible for

financial aid, who have been accepted for programs approved by the Foreign Study Committee. Stecher Scholarships for the study of art abroad are awarded to qualified students who are eligible for financial aid. Candidates are selected by the Art Department Stecher Scholarship Committee and the Foreign Study Committee. Limited financial support for students wishing to spend the junior year in Africa or the Caribbean is provided by the Waddell Fund. The selection of recipients for awards from the three funds is made early in the second semester of the sophomore year on the basis of academic qualifications and faculty recommendations. The amount of each individual award is determined according to need. Information about these awards may be obtained from the Office of Foreign Study.

The Office of Foreign Study helps students with individual plans for study abroad, for example, applications for direct enrollment as visiting students in British universities.



## Internships

The Career Services Office houses information on a wide variety of internship programs available through the College, the local community, and the country, during the term, January, and summer. As well as working closely with the Wellesley academic departments to share information and to develop opportunities, Career Services coordinates efforts with two internship groups: The Shared Educational Experience Program and the Massachusetts Internship Office.

## Summer Internships

The College sponsors a Washington Summer Internship Program which provides a unique opportunity for students to learn about the national government through direct participation in political activity. Interested juniors may apply for 15 available summer internships, in governmental and nongovernmental offices. Interns hold full-time jobs for ten weeks and also participate in evening seminars with guest speakers on governmental or political problems. Job assignments are made according to the interest of the student and the potential for learning. Recent assignments have included positions in congressional offices, in the Department of Justice, in the Department of Health, Education and Welfare, with the Federal Trade Commission, in the Office of the President, and with a major broadcasting system. Salaries are offered in some of these positions; the College provides stipends for students who hold nonsalaried positions.

In addition, the Wellesley Urban Politics Summer Internship Program offers juniors the opportunity to focus on some of the dilemmas of contemporary urban life. Students participating in this program spend ten weeks working for government agencies or private organizations in Boston or Los Angeles. Interns attend seminars and other meetings designed to stimulate analytical thinking about politics, government institutions, and public policymaking. Interns receive a stipend from the College.

The Internship Program in Economics, founded at Wellesley by the National Association of Business Economists, places qualified economics majors in salaried positions in private or public agencies in all parts of the country during the summer following the junior year. Students in this program carry out applied economic research under the direction of senior economists.

In 1977 the College started a summer internship program in Atlanta, Georgia. The program is designed to meet the needs of students interested in diverse fields, including publishing, architecture, museum work, journalism, medicine and related health areas, law, public service, community work, science, and business. The College provides stipends for participants in the program.

## Community Involvement

Wellesley students can become involved in the Greater Boston community in a variety of ways. Some students choose to work in communities where they can participate in legal aid, tutoring, and health services, or church work. Others work with the City of Boston or the Town of Wellesley in various departments.

Credit may be given for supervised field work as a research component of some courses or independent study; in other instances, experience in the community forms part of the required work of courses dealing with social, political, or economic issues. Generally, students become involved in community work for many reasons besides the possibility of earning academic credit.

## Summer Study Abroad

Students planning summer study in foreign countries should consult the Office of Foreign Study. Wellesley awards Slater and Stecher Summer Scholarships to students who need to have access to materials available only in foreign countries. First consideration is given to applicants whose summer studies are related to honors projects approved for the senior year. Waddell Summer Scholarships provide opportunities for students wishing to study in Africa or the Caribbean. An application for a Slater, Stecher, or a Waddell Scholarship requires the support of the student's major department and a statement from the Director of Financial Aid showing what funds are needed to supplement the student's financial resources.

## Continuing Education

The Continuing Education Program provides an opportunity for women to resume their education by electing to study for the Bachelor of Arts degree, or to take courses as special students not eligible for a degree. This nonresidential program enables students to enroll either part-time or full-time. Continuing



education students attend classes with Wellesley undergraduates and take the same courses.

Candidates for the B.A. degree are women, older than the usual undergraduate age, whose educations have been interrupted for five or more years prior to the date of application. Completion of a minimum of 8 units of work at the College is a requirement for the B.A. degree. There is no time limitation for completion of the degree.

Special students may be graduates of an accredited college or university but requesting course work at the undergraduate level, matriculated students currently affiliated with another accredited college or university and requesting course work for degree credit at the affiliate, or students who have formerly been affiliated with a college or university. Special students are limited to two consecutive years of study and a maximum of 8 units of course work.

For further information about the program write to the Office of Continuing Education, Wellesley College, Wellesley, Massachusetts 02181.

## Academic Distinctions

### Honors in the Major Field

Students who have shown marked excellence and an unusual degree of independence in their work may be invited to participate in the Honors Program, based on their record in the major field. Under this program an eligible student may be invited to undertake independent research or special study which will be supervised by a member of the faculty. In several departments, options for general examinations, special honors seminars, and opportunities to assist faculty in teaching introductory and intermediate level courses are available to honors candidates. The successful completion of the work and of an oral honors examination leads to the award of Honors in the Major Field.

### Other Academic Distinctions

The College names to Freshman Distinction those students who maintain high academic standing during the freshman year. Wellesley College Scholars and Durant Scholars are named at Commencement, based on academic records after the freshman year. Wellesley College Scholars have achieved high academic standing and Durant Scholars highest academic standing.

Juniors and seniors are elected to membership in the Eta of Massachusetts chapter of Phi Beta Kappa on the basis of their total academic achievement in college. Seniors who are majoring in the sciences may be elected to associate membership in the Wellesley chapter of Sigma Xi.

On recommendation of the faculty, the trustees award the title of Trustee Scholar to four seniors who intend to pursue graduate studies. The awards are made on a competitive basis; the title is honorary. In cases of financial need stipends are awarded to the Scholars or, if not required by them, to alternates who need financial assistance. Applications and supporting credentials should be sent to the Secretary to the Committee on Graduate Fellowships by January 1.

Certain prizes have been established at the College for the recognition of excellence in a particular field. Each carries a small stipend or gift and usually bears the name of the donor or the person honored, and is awarded by the departments.

# Courses of Instruction



A semester course which carries one unit of credit requires approximately eleven hours of work each week spent partly in class and partly in preparation. The amount of time scheduled for classes varies with the subject from two periods each week in many courses in the humanities and social sciences to three, four, or five scheduled periods in certain courses in foreign languages, in art and music, and in the sciences. Classes are scheduled from Monday morning through late Friday afternoon; examinations may be scheduled from Monday morning through late Saturday afternoon.

Prerequisites are given in terms of Wellesley courses, exemption examinations, AP scores, and "admission units." Admission units refer to the secondary school credits acquired in various precollege courses.

Opportunities in Engineering

Students who are interested in a joint Wellesley-MIT program in one of the engineering fields should consult the office of the Dean of the College.

Freshman-Sophomore Colloquia  
(150 courses)  
Directions for Election

For a general description see page 41. The colloquia have no prerequisites, although some are open only to freshmen. Each course counts as one unit, and may be elected to satisfy in part one of the distribution requirements. Since class sizes are limited, students ordinarily may not enroll in more than one of these courses. They may, however, apply for more than one, indicating their preference. If a course is oversubscribed, the chairman or instructor, in consultation with the class dean, will decide which applicants will be accepted.

In 1978-79 colloquia are offered by the departments of Black Studies, English, Greek and Latin, History, Mathematics, Philosophy, and Religion and Biblical Studies. Additional colloquia are offered as Experimental courses.

Legend

Courses numbered:

100-199  
Grade I courses

200-299  
Grade II courses

300-380  
Grade III courses

(1)  
Offered in first semester

(2)  
Offered in second semester

(1) (2)  
Offered in both semesters

•  
Absent on leave

•1  
Absent on leave during the first semester

•2  
Absent on leave during the second semester

\*  
Offered in alternate years. Note: Unless specifically stated such courses will be offered in 1978-79.

\*\*  
Course may be elected to fulfill in part the distribution requirement in Group A

\*\*\*  
Course may be elected to fulfill in part the distribution requirement in Group B

\*\*\*\*  
Course may be elected to fulfill in part the distribution requirement in Group C

(1-2)  
Continued throughout the academic year. Unless specifically stated, no credit is awarded unless both semesters are completed satisfactorily.

1 or 2  
Units of credit

3  
Part-time instructor

[ ]  
Numbers in brackets designate courses listed only in earlier catalogues.



# Anthropology

Professor:  
Shimony (Chairman)

Associate Professor:  
Bamberger, Tosi

Assistant Professor:  
Kohl<sup>•</sup>, Merry

Instructor:  
Lipschutz<sup>3</sup>

## 103 (1) The World and the West 1

An introduction to the study of history and anthropology, focusing on common themes in Western and non-Western cultures. Compares ideas of man and culture, religious beliefs, economic organization, family life and the role of women in selected Western, Far Eastern, Middle Eastern, and African societies. This course does not substitute for 104 for anthropology majors. Open to all students.

Ms. Mann

## 104 (1) (2) Introduction to Anthropology 1

Consideration of man's place in nature, his physical history, and physical varieties. Brief survey of archaeology and linguistics. The nature of culture with examples primarily from non-Western societies. Open to all students.

Mrs. Shimony, Mrs. Merry

## 106 (1) (2) Archaeology 1

A survey of the development of archaeology and an overview of its methods and themes. Introduction to Old World and New World archaeological sites and sequences. Open to all students.

Mr. Tosi

## 200 (1)\* Current Issues in Anthropology 1

An examination of current controversial issues in anthropology such as Race and Intelligence, Sociobiology, The Culture of Poverty, Neo-Colonialism. Offered in alternation with 244. Open to sophomores, juniors, and seniors without prerequisite, and to freshmen with previous anthropological experience.

Mrs. Shimony

## 204 (1) Physical Anthropology 1

Theories regarding the origin and evolution of man. Primate behavior and adaptation. Analysis of human fossil evidence. Implications for the question of race.

Prerequisite: 104 or permission of the instructor.

Ms. Lipschutz

## 205 (1)\* Social Anthropology 1

Comparative study of social, political, and economic organization of primitive societies. Stability and change of primitive groups in contact with Western culture. Application of anthropology to the problems of underdeveloped countries. Offered in alternation with 269. Prerequisite: 104 or Sociology 102.

Not offered in 1978-79.

Mrs. Merry

## 210 (2) Racial and Ethnic Minorities 1

An analysis of the problems of racial and ethnic groups in American and other societies. Systematic study of adjustment mechanisms of selected racial, religious, and immigrant minorities. Prerequisite: 104 or Sociology 102.

Mrs. Merry

## 217 (2)\* Economic Anthropology 1

Analysis of economic structures of non-Western societies in relation to our industrial capitalistic system. Concentration on substantive issues in economic anthropology, such as the debate on the applicability of formal economic theory to simpler societies, the nature and importance of the economic surplus, and problems of scarcity and development. Offered in alternation with 241.

Prerequisite: 104 or Sociology 102.

Not offered in 1978-79.

Mr. Kohl

**234 (2)\* Urban Poverty**

**1**

An anthropological analysis of urban poverty in the U.S. and the Third World. Cultural and structural interpretations of poverty. The strategies of the poor for coping with poverty. Ameliorating poverty as a problem in applied anthropology.

Prerequisite: 104.

Mrs. Shimony

**236 (1) Ritual, Myth, and Symbol**

**1**

A study of the social dynamics of ritual, myth, and symbol in non-Western societies. Evaluation of various conceptions of ritual and symbolic systems among nonliterate peoples. Readings assigned will include works from Frazer, Malinowski, Leach, Lévi-Strauss, Turner and Geertz.

Prerequisite: 104.

Ms. Bamberger

**241 (1)\* Development of Archaeological Theory**

**1**

An evaluation of current trends in archaeological theory. Examines anthropological archaeology by surveying the origin and growth of the concept of prehistory and relating it to cultural evolutionary theory. Offered in alternation with 217.

Prerequisite: 104 and 106 and one Grade II unit, or permission of the instructor.

Mr. Tosi

**242 (2)\* The Emergence of Early Urban Societies**

**1**

Review of current research on the beginnings of civilization in Southwest Asia, the eastern Mediterranean, and Mesoamerica. The course will emphasize qualitative differences between ranked and class stratified societies. Offered in alternation with 243.

Prerequisite: 104 and 106, or permission of the instructor.

Not offered in 1978-79.

Mr. Kohl

**243 (2)\* The Beginnings of Food Production**

**1**

A survey of the beginnings of agriculture and domestication of animals in Southwest Asia and Mesoamerica. Examination of primary reports detailing the transition to a new subsistence economy. Discussion of causes and effects of the "neolithic revolution." Offered in alternation with 242.

Prerequisite: 104 and 106, or permission of the instructor.

Not offered in 1978-79.

Mr. Kohl

**244 (1)\* Societies and Cultures of the Middle East**

**1**

Comparative study of distinctive kinship, political, economic, and other social institutions of several major cultures of the Middle East. Conflict between traditionalism and modernization, with particular reference to agricultural development. The Arab-Israeli conflict in anthropological perspective. Offered in alternation with 200.

Prerequisite: 104 or Sociology 102.

Not offered in 1978-79.

**269 (1)\* Political and Legal Anthropology**

**1**

A comparative anthropological analysis of political and legal systems in selected non-Western societies, using anthropological studies of faction-forming, political manipulation, and conflict resolution in small scale societies. Comparison of political roles of men and women. Offered in alternation with 205.

Prerequisite: 104 or Sociology 102.

Mrs. Merry

**301 (2) Anthropological Theory**

**1**

History of ethnological theory. Examination of current evolutionary and functional theories of culture. Discussion of the relationship between personality and culture. Problems of method in anthropology.

Prerequisite: 104 or Sociology 102, and two Grade II units, or permission of the instructor.

Mrs. Shimony

**308 (1-2) Seminar for Materials Research in Archaeology and Ethnology**

**2**

Each year the Boston area interinstitutional Center for Materials Research in Archaeology and Ethnology sponsors a graduate seminar on the analysis of materials frequently encountered in field work: metals, floral and faunal remains, lithics, and ceramics. This year the seminar will concentrate on ceramics and will include discussions of pottery, glass, plasters, bricks, etc. The second semester will consist of laboratory work and individual research projects on primary source materials. Visiting professors from Boston University, Brandeis, Harvard, MIT, Museum of Fine Arts, Peabody Foundation (Andover), Tufts, U. of Mass. (Boston). Limited enrollment. Open only to juniors and seniors by permission of the instructor.

Mr. Tosi

**342 (2) Seminar on Native American Ethnology**

**1**

Selected topics on North American Indian culture, society, and issues in government policy.

Prerequisite: same as for 301.

Not offered in 1978-79.

Mrs. Shimony

**344 (2) Seminar. The Archaeology of the Soviet Union and Central Asia**

**1**

An examination of prehistoric sequences in the Soviet Union and Central Asia and an analysis of the structure and significance of archaeological research in the Soviet Union. The role of Soviet archaeology for the elaboration of historical stages of socioeconomic development also will be discussed.

Prerequisite: 106 and two Grade II units; 242 or 243 are suggested but not required.

Mr. Tosi

**345 (1) Seminar in Urban Anthropology**

**1**

Comparative analysis of the nature of urbanism in the United States and non-Western societies. Examination of issues such as migration, kinship, ethnicity, social disorder and crime, housing and urban renewal.

Prerequisite: same as for 301.

Not offered in 1978-79.

Mrs. Merry

**346 (2) Seminar on Social Anthropology**

**1**

A joint MIT-Wellesley rotating seminar. Topic for 1978-79: Colonialism, development and nationalism: the impact of the state on traditional societies. The course will examine the effects of neocolonialism, large-scale development projects, and dislocations of native peoples. In particular, the course will analyze the role of the state and the impact of national development policies on local communities. Visiting anthropologists will describe case histories of development and social change.

Prerequisite: 104 and two Grade II units.

Mrs. Merry

**350 (1) (2) Research or Individual Study**

**1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis**

**2 to 4**

Open only to honors candidates.

**Directions for Election**

Majors in anthropology must take eight courses (which may include courses from MIT's anthropology offerings), of which 104 and 301 are obligatory. In addition, at least one "methods" course is required. Preferably this should be calculus or statistics in the mathematics department, or a computer science course, but it may also be the methods course offered by economics, psychology, or sociology (depending on the particular need and interest of the student).

Extradepartmental 114 (1) Introduction to Linguistics is also recommended.

Students may take 200 and 300 level courses upon the presentation of either Sociology 102 or Anthropology 104, but anthropology majors may not substitute Sociology 102 for Anthropology 104.

# Art

## Professor:

O'Gorman, Moffett, Armstrong, Rayen,  
Wallace (Chairman)

## Associate Professor:

Fergusson, Janis<sup>•</sup>, Clapp, Marvin, Adams<sup>3</sup>

## Assistant Professor:

MacNeil<sup>3</sup>, Waltermire, Harvey, Carroll,  
Siebel, Travis

## Instructor:

Leff<sup>3</sup>

## Lecturer:

Gabhart

The Department of Art offers courses in the history of art and in studio art. Some of the courses in art history include laboratory work in one or more media with which the course is concerned. One of the studio courses, 204, is a survey of the techniques of painting from the Middle Ages to the present, and is required of all art history majors. The department believes that laboratory training has great value in developing observation and understanding of artistic problems. However, no particular artistic aptitude is required, and the laboratory work is adjusted to the student's ability.

An art major may either concentrate in history of art or in studio art.

Stecher Scholarships are available to qualified students for the study of art abroad during the school year, Winter Term, or summer.

## History of Art

### 100 (1-2) Introductory Course 1 or 2

A foundation for further study in the history of art. The major styles in Western architecture, sculpture, and painting from ancient Egypt to the present are presented in lectures and in conference sections. Simple laboratory work requiring no previous training or artistic skill planned to give the student a greater understanding of artistic problems. One unit of credit may be given for the first semester. Open only to freshmen and sophomores.

The Staff

### 120 (1) Themes and Meaning in Asian Art 1

A study of selected artistic and architectural monuments of Asia and the ways in which they embody some of the major religious, philosophical and social ideas of the Orient. The course will take a broad view of architecture, painting, and sculpture in Greater India, China and Japan, and the works will be treated chiefly as symbols to be analyzed for their content and cultural distinctions within Asia. Open to all students.

Mrs. Clapp

### 150 (1) Colloquium 1

For directions for applying see p. 46. Open by permission to a limited number of freshman and sophomore applicants.

Photography

The invention of a revolutionary picture-making system, and the proliferation of photographic pictures in the 20th century with emphasis on the varying informational functions of photography in contemporary culture.

Not offered in 1978-79.

Ms. Janis

### 200 (1)\* Classical Art 1

Topic for 1978-79: Greek art from the end of the Dark Ages to the death of Cleopatra. The course will be a historical survey of the arts of Greece in this period, but special attention will be paid to sculpture. Some time will also be spent on the influence of classical form on later Western art. Topic for 1979-80: Roman Art. Open to sophomores, juniors, and seniors who have taken 100 (1) or 215, or by permission of the instructor.

Miss Marvin

**201 (2)\* Egyptian Art****1**

A survey of Egyptian architecture, sculpture, painting and minor arts from 3000 to 31 B.C. The course will trace historically the development of ancient Egyptian style, stressing sculpture and painting.

Open to sophomores, juniors, and seniors, and to freshmen who have taken 100 (1).

Miss Marvin

**202 (1) Medieval Art****1**

The arts of the early period through High Gothic mainly in northern Europe. Particular attention to be given to Hiberno-Saxon art in conjunction with the exhibition "Treasures of Early Irish Art" at the Boston Museum of Fine Arts.

Open to freshmen and sophomores who have taken 100 (1), and to juniors and seniors without prerequisite.

Mr. Fergusson

**203 (2) Cathedrals and Castles of the High Middle Ages****1**

A study of the major religious and secular buildings of the Romanesque and Gothic periods with emphasis on France and England. Attention will be given to the interpretation and context of buildings and to their relationship to cult, political and urban factors. Occasional conferences.

Open to sophomores who have taken 100 (1), and to juniors and seniors without prerequisite.

Mr. Fergusson

**204 (1) (2) General Techniques Course****1**

A survey of significant technical material related to the history of western painting from the Middle Ages to the modern period. Included are laboratory problems of purely technical nature requiring no artistic skill.

Open to students who are taking Grade II or Grade III art history courses. 204 or 209 (1) is required of all art history majors.

The Staff

**211 (2) Arts of Black Africa****1**

Style and iconography of sculpture and masking in relation to concepts of self, competition for power and the role of women; principles of African design and aesthetics.

Open to all students.

Ms. Adams

**215 (1) European Art to the Renaissance****1**

The major movements in architecture, sculpture, and painting from ancient Egypt to c. 1400.

Students attend course 100 lectures and are strongly urged to attend course 100 conferences. Reading and paper assignments differ from those of 100. Students will be assigned staff advisors.

Open only to juniors and seniors who have not taken 100.

The Staff

**216 (2) European Art from the Renaissance Through the Nineteenth Century****1**

Western art from the Renaissance to the present with emphasis on painting, sculpture, and architecture. Students attend course 100 lectures and are strongly urged to attend course 100 conferences. Reading and paper assignments differ from those of 100.

Prerequisite: same as for 215.

The Staff

**219 (1) Painting and Sculpture of the Nineteenth Century****1**

A study of the painting and sculpture of the 19th century in Europe with an emphasis on France. Special emphasis on the relationship of academic ideals to emerging individualism and to the social context of style.

Open to sophomores who have taken 100 (1) and (2), by permission of the instructor to freshmen who are taking 100, and to juniors and seniors without prerequisite.

**220 (1) Painting and Sculpture of the Later Sixteenth and Seventeenth Centuries in Southern Europe****1**

A study of Italian and Spanish painting and sculpture from early Mannerism through the late Baroque. Among the principal artists studied are Michelangelo, Il Rosso Fiorentino, Pontormo, Parmigianino, Tintoretto, El Greco, the Carracci, Caravaggio, Bernini, Pietro da Cortona, Ribera, Velázquez, Tiepolo.

Open to sophomores who have taken 100 (1) and (2), and to juniors and seniors without prerequisite.

Mr. Wallace

**221 (2) Seventeenth Century Art in Northern Europe****1**

Dutch and Flemish painting, drawing and print-making of the 17th century with emphasis on Rubens, Van Dyck, Hals, Rembrandt, and Vermeer.

Prerequisite: same as for 220.

Mrs. Carroll

**224 (1-2) Modern Art****1 or 2**

The major developments in painting and sculpture from the mid-19th century to the present in Europe and the United States. Special attention is paid to the problematic of modernism in the arts—what it means to be modern; what makes modern art unique; and in what sense is it an expression of ourselves. Also, there is an emphasis on abstract art and on the question of judgment of quality. Conference sections in second semester. One unit of credit may be given for either semester. Background reading is required if elected in second semester only.

Prerequisite: 100 (1) and (2), or 216, or 219, or permission of the instructor.

Mr. Moffett

**226 (1) History of Afro-American Art****1**

A survey of Afro-American art from colonial times to the present. Special attention will be given to the relationship between Afro-American art and social and cultural conditions in America.

Open to all students.

Not offered in 1978-79.

**228 (2) Nineteenth and Twentieth Century Architecture****1**

A survey of the major movements in architecture in Europe and the United States from Neo-Classicism to the present.

Prerequisite: same as for 220.

Mrs. Leff

**231 (1) American Art from Colonial Times to the Civil War****1**

A survey of American painting, sculpture, and architecture from the colonial period to the Civil War. Attention given to the relationship between art and the social history and literature of the time.

Prerequisite: same as for 220.

Mr. O'Gorman

**232 (2) American Art from the Civil War to the Foundation of the New York School****1**

American painting, sculpture, and architecture from the Civil War to the foundation of the New York School. Attention given to the relationship between art and the social history and literature of the time.

Prerequisite: same as for 220.

Mr. O'Gorman

**248 (2) Chinese Art****1**

Survey of the major artistic traditions of China through monuments of the Bronze Age, Buddhist sculpture and painting from the Han to the Ch'ing Dynasty.

Open to students who have taken one unit in the history of art, or one unit in Asian history or religion, or by permission of the instructor.

Mrs. Clapp

**249 (1) Far Eastern Art****1**

Topic for 1978-79: Indian art. A survey of the architecture and sculpture of Buddhism and the Hindu dynasties in India, Southeast Asia, Tibet, and Nepal. Topic for 1979-80: Japanese art. An introduction to the sculpture and pictorial arts of Japan from the early Buddhist period through the 18th century woodblock print.

Prerequisite: same as for 248.

Mrs. Clapp

**251 (1) Italian Renaissance Art****1**

Painting and sculpture in Italy in the 15th and 16th centuries. Special attention given to major masters and monuments, with emphasis on the general artistic principles of Early and High Renaissance in Florence, Rome, and northern Italy. Analysis of patronage and changing cultural and aesthetic ideals in the Renaissance period.

Prerequisite: same as for 220.

Ms. Armstrong

### **254 (2)\* Art of the City: Medieval, Renaissance, and Baroque**

**1**

Aspects of the history of urban form, and of art in public areas of the city in the medieval, Renaissance, and Baroque periods. Analysis of various urban types such as medieval market towns, ideal city plans in the Renaissance, and innovations in city planning in the 17th century. Attention will be given to sculptural programs designed to enhance public spaces and buildings.

Open to sophomores who have taken 202 or 203 or 220 or 251, and to juniors and seniors without prerequisite.

Not offered in 1978-79.

Ms. Armstrong

### **302 (1)\* Italian Painting: The Fourteenth and Fifteenth Centuries**

**1**

A study of selected artists whose work significantly illustrates the character of the late medieval and the early Renaissance styles.

Open to sophomores who have taken 251, to juniors and seniors who have taken or are taking one Grade II unit in the department, or by permission of the instructor.

Not offered in 1978-79.

### **304 (2)\* Late Medieval and Renaissance Sculpture**

**1**

A study of major sculptors from the 14th century to the end of the 16th century with emphasis on Italy and the work of Giovanni Pisano, Donatello, Ghiberti, and Michelangelo. In 1978-79 special emphasis will be given to works of sculpture in the Wellesley College Museum.

Prerequisite: same as for 302.

Ms. Armstrong

### **305 (1) The Graphic Arts**

**1**

A history of prints and visual communication from the time of Gutenberg to the present alternating between the achievements of great masters such as Dürer, Rembrandt, Goya, Picasso, and the proliferation of popular imagery and ephemera leading to the invention of photography. Emphasis is on class participation and the examination of originals.

Open only to seniors.

Mrs. Carroll

### **306 (1) History of Photography**

**1**

A survey of photography in France, England, and the United States in the 19th and 20th centuries. Topics will include styles of individual photographers and movements, the problem of style in photography, and the reciprocal relationship between photography and the graphic arts.

Open only to juniors and seniors who have taken 219 or 305.

### **308 (1-2) Seminar for Materials Research in Archaeology and Ethnology**

**2**

Each year the Boston area interinstitutional Center for Materials Research in Archaeology and Ethnology sponsors a graduate seminar on the analysis of materials frequently encountered in field work: metals, floral and faunal remains, lithics, and ceramics. This year the seminar will concentrate on ceramics and will include discussions of pottery, glass, plasters, bricks, etc. The second semester will consist of laboratory work and individual research projects on primary source materials. Visiting professors from Boston University, Brandeis, Harvard, MIT, Museum of Fine Arts, Peabody Foundation (Andover), Tufts, U. of Mass. (Boston).

Limited enrollment.

Open only to juniors and seniors by permission of the instructor.

Mr. Tosi

### **309 (2)\* Renaissance and Baroque Architecture**

**1**

The Early and High Renaissance, Mannerist, and Baroque styles of the 15th through the 18th centuries, with particular emphasis on Italy.

Prerequisite: same as for 302.

Not offered in 1978-79.

### **311 (1)\* Northern European Painting and Printmaking**

**1**

Painting and printmaking in Northern Europe from the late 14th through the 16th centuries. Emphasis on Jan van Eyck, Rogier van der Weyden, Bosch, Dürer, and Pieter Bruegel the Elder. Open to sophomores who have taken 202 or 251, to juniors and seniors who have taken or are taking one Grade II unit in the department, or by permission of the instructor.

Mrs. Carroll

**312 (2)\* Problems in Nineteenth and Early Twentieth Century Art****1**

A study of special problems of interpretation in 19th and early 20th century art. Romantic imagery, interpretations of Manet, photography and painting, historicism, origins of abstraction. Emphasis on extensive reading and class discussion. Prerequisite: 219 or permission of the instructor.

Not offered in 1978-79.

Ms. Janis

**320 (1) Skyscraperism****1**

The architectural development of the tall office building and its impact upon the city and the other arts, 1890-1930.

Prerequisite: 232 or permission of the instructor.

Mr. O'Gorman

**330 (2)\* Seminar. Venetian Art****1**

Selected problems in Venetian painting, sculpture, architecture, and urbanism of the 15th and early 16th centuries. Special attention will be given to the 15th century painters Giovanni Bellini and Vittore Carpaccio, and to the 16th century architect and urban designer Jacopo Sansovino. Fifteenth century Venetian book illumination will also be considered.

Prerequisite: any 200 or 300 level course in Renaissance art, or by permission of the instructor.

Ms. Armstrong

**331 (2) Seminar. Italian Art****1**

Normally a different topic each year.

Open to juniors and seniors by permission of the instructor.

Not offered in 1978-79.

**332 (2)\* Medieval Relics and Saints' Lives****1**

An interdisciplinary study of the cult of saints and relics as a formative force in 12th and 13th century culture. Attention will be given to the establishment of building programs and architectural types, the development of iconography, the literary genre of saints' lives, the conceptions of saintliness, the economics of shrines, the politics of canonization, the role of pilgrimage, and the birth of liturgical drama. Open by permission of the instructor.

Mr. Fergusson, Ms. Elkins

**333 (1) Seminar. Baroque Art****1**

Painting and printmaking in Italy in the 16th and 17th centuries with special emphasis on Parmigianino, the Carracci, Guido Reni, and Claude Lorrain.

Open by permission to juniors and seniors who have taken 220 or 221.

Mr. Wallace

**334 (1)\* Seminar. Problems in Archaeological Method and Theory****1**

Normally a different topic each year.

Open by permission of the instructor.

Not offered in 1978-79.

Miss Marvin

**335 (2) Seminar. Modern Art****1**

Topic for 1978-79: To be announced.

Open by permission of the instructor.

Mr. Moffett

**336 (2) Seminar. Museum Problems****1**

An investigation of the history and structure of the museum, the philosophy of exhibitions and acquisitions, and the role of the museum in modern society, combining the theory and practice of all aspects of museum work. Problems of conservation, exhibition, acquisition, publication, and education will be discussed. If the museum schedule permits, students will be involved in the planning and mounting of an exhibition. Visits to museums and private collections in the area will be arranged.

Open by permission of the instructor to juniors and seniors.

Ms. Gabhart

**337 (2)\* Seminar. Chinese Art****1**

Normally a different topic each year.

Prerequisite: 248 or permission of the instructor.

Not offered in 1978-79.

Mrs. Clapp

**340 (2) Seminar. American Sculpture****1**

A survey of the works of the major 19th century American sculptors from William Rush to Augustus Saint Gaudens with special emphasis on iconography and style.

Prerequisite: 231 and 232 and permission of the instructor.

Mr. O'Gorman



### **345 (1) (2) Seminar. Historical Approaches to Art for the Major**

**1**

Comparative study of the major art historical approaches and their philosophical bases: connoisseurship, iconography, theories of the evolution of art, theories of style, psychoanalysis and art, psychology of perception, and theories of art criticism. Strongly recommended to all art majors. Open to juniors and seniors who have taken or are taking one Grade II unit in the department.

Mr. Moffett, Mrs. Clapp

### **350 (1) (2) Research or Individual Study 1 or 2**

Open to qualified students by permission of the instructor and the chairman of the department.

### **370 (1-2) Thesis 2 to 4**

Open only to honors candidates.

### **380 (2) Mini Courses ½**

Intensive six-week study of a specialized topic in medieval or classical art. One unit of credit will be given for two mini courses; no credit will be given for one mini course.

Not offered in 1978-79.

### **Boston Museum of Fine Arts Seminar**

A limited number of qualified students may elect for credit seminars offered by the curators of the Boston Museum of Fine Arts. These are held in the museum and use objects from the collections for study. For enrollment procedures, consult the department chairman. Seminar topics to be announced.

## **Directions for Election**

### **History of Art**

An art major concentrating in history of art must elect both semesters of 100 (unless an exemption examination is passed), or 100 (1) and 150 (1), 204 or the first semester of 209 (not the second semester), and at least five further units in history of art. For distribution, students must elect at least one unit each in three of the following six areas of specialization: ancient, medieval, Renaissance, Baroque and 18th century, 19th and 20th centuries, non-Western art. Art 345 and 305 may not be used to meet this distribution requirement. If approved by the chairman, courses elected at other institutions may be used to meet the distribution requirement. Although the department does not encourage overspecialization in any one area, by careful choice of related courses a student may plan a field of concentration emphasizing one period or area, for example, medieval art or oriental art. Students interested in such a plan should consult the chairman of the department as early in the freshman or sophomore year as possible.

Students planning to major in history of art should plan to take 204 or 209 (1) in the second semester of the sophomore year or in the first semester of the junior year.

Art 345 is strongly recommended for all majors, especially those who are considering graduate study in history of art.

A reading knowledge of German and French, or Italian, is strongly recommended for majors.

Knowledge of literature, history, philosophy, and religion is of great value to the student of art. See, for example, English 217, 220, 221, 223, 310, 314; Greek and Latin 104, 203; Philosophy 203; History 230, 231, 232, 233, 235, 242, 248, 250, 271, 275; Religion and Biblical Studies 108, 204, 216, 218, 251, 253, 254.

Students interested in graduate study in the field of conservation of works of art should consult with the chairman of the department regarding chemistry requirements for entrance into conservation programs. Ordinarily at least two semesters of chemistry at the college level should be elected.

The attention of students is called to the interdepartmental major in classical and Near Eastern archaeology, and in medieval renaissance studies.

## Studio Courses

### 105 (1) (2) Drawing I

1

Introductory drawing with emphasis on basic forms in spatial relationships. Stress on the essential control of line in a variety of media. Four periods of class instruction and four of studio practice.

Open to all students.

The Staff

### 108 (1) (2) Photography I

1

Photography as a means of visual communication. Problems dealing with light, tonal values, two- and three-dimensional space, documentary and aesthetic approaches to the medium. Emphasis on printing and critical analysis of photographs. Four periods of class instruction. Limited enrollment.

Open by permission of the instructor.

Mrs. MacNeil

### 205 (1) (2) Painting I

1

A study of basic forms in plastic relationships in a variety of media. Four periods of class instruction. Prerequisite: 105 or 209 (1-2).

Mr. Rayen, Mr. Waltermire

### 206 (1) Drawing II

1

Problems dealing with the realization through graphic media of form, light, and volume. Students will be required to establish and work out an individual project during the second part of the course. Four periods of class instruction. Prerequisite: 105.

Ms. Harvey

### 207 (1) (2) Sculpture I

1

An introduction to sculpture through projects directed towards acquainting students with basic problems and techniques. Projects include plaster moldmaking and casting, figure modeling, wood construction, and basic foundry techniques utilizing foam vaporization and lost wax casting in bronze and aluminum. Studio fee for materials: \$20.

Prerequisite: 105 or 209 (1-2) or permission of the instructor.

Mr. Travis

### 208 (1) Photography II

1

The development of one's personal photographic vision through intensive technical and aesthetic studies in photography. Independent projects in which students are encouraged to combine studies in photography with work in related disciplines such as history, philosophy, creative writing, psychology. Study of the work of master photographers, writings on photography, and discussions with lectures from various disciplines. Four periods of class instruction. Limited enrollment.

Prerequisite: 108 or permission of the instructor.

Mrs. MacNeil

### 209 (1-2) Basic Design

1 or 2

Structured around a series of interrelated problems in two-dimensional and three-dimensional design. This course develops both observational and formal skills. Techniques useful for drawing, sculpture, painting, and graphic design will be covered.

Open to all students. One unit of credit may be given for the first semester. Semester II requires Semester I.

Mr. Waltermire, Miss Siebel

### 210 (1) Color

1

Basic problems in the interaction of color. Four periods of class instruction.

Prerequisite: 105 or 205 or 209 (1-2).

Mr. Rayen

### 212 (1) Printmaking

1

Instruction in the monotype and basic intaglio techniques including line and aquatint etching, lift ground etching, and engraving. Studio fee for materials: \$20.

Prerequisite: 105 or 209 (1-2).

Miss Siebel

### 307 (1) (2) Sculpture II

1

Students will explore independent projects through consultation with the instructor. Welding and fiber glass will be introduced, and a ceramic kiln and the foundry are available. A model will be provided for those interested in working from the figure. Knowledge of basic sculptural ideas and techniques is assumed. Studio fee for materials: \$20.

Prerequisite: 207 or permission of the instructor.

Mr. Travis

**315 (2) Painting II****1**

Continuing problems in the formal elements of pictorial space, including both representational and abstract considerations in a variety of media. Four periods of class instruction.

Prerequisite: 105 and 205.

Ms. Harvey

**316 (2) Life Drawing****1**

Intensive analysis of anatomy, perspective, composition, chiaroscuro, with direct visual observation of the model. Four periods of class instruction.

Prerequisite: 105.

Mr. Waltermire

**317 (1) Seminar. Problems in the Visual Arts****1**

Concentrated study of individual problems in a variety of media. Each student will be required to formulate a specific project to pursue throughout the semester. Emphasis will be given to group discussions and criticisms on a regular weekly basis.

Prerequisite: 206, 307, 315 or 316.

Ms. Harvey

**350 (1) (2) Research or Individual Study****1 or 2**

Open to qualified students by permission of the instructor and the chairman of the department.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Directions for Election****Studio Art**

An art major concentrating in studio art must elect 100 (1 and 2), 105, 209 (1 and 2), plus a minimum of four additional Grade II or Grade III units in studio art. Course 100 is counted toward the degree but not toward the major. Since the department believes in the importance of an understanding of the history of art, the attention of students is drawn particularly to 224 (1 and 2) and 219 (see History of Art).

For students particularly interested in design, attention is further drawn to Theatre Studies 206.

# Astronomy

Professor:

Birney (Chairman)

Associate Professor:

Dinger

Assistant Professor:

Little, Little-Marenin

**103 (1) (2) Introduction to Astronomy****1**

Relationships of earth and sky; the solar system, stars, and galaxies. Two periods of lecture and discussion weekly with a third period every other week; laboratory in alternate weeks, and unscheduled evening work at the Observatory for observation and use of the telescopes.

Open to all students.

The Staff

**200 (2) Modern Physics****1**

For description and prerequisite see Physics 200.

**201 (1) Techniques of Intermediate Calculus****1**

For description and prerequisite see Mathematics 201.

**202 (1) Optical Physics****1**

For description and prerequisite see Physics 202.

**203 (2) Recent Developments in Astronomy****1**

Contemporary problems in optical, radio, and space astronomy. Astronomical observations from outside the earth's atmosphere. Radio galaxies and quasars.

Prerequisite: 103.

Mr. Little

**204 (1) Introduction to Astrophysics****1**

The physical principles behind the analyses of stars, interstellar matter and galaxies. Open to students who have taken 103 and are familiar with basic calculus and elementary physics (high school or college), or by permission of the instructor.

Miss Dinger

**206 (1) Basic Astronomical Techniques I****1**

Visual and photographic use of the telescopes. Optics applied to astronomical instruments. Astronomical coordinate systems. Spherical trigonometry. Conversion of time and use of Ephemeris. Star catalogs. Photometry. Prerequisite: 103 and a familiarity with trigonometric functions.

Mr. Birney

**207 (2) Basic Astronomical Techniques II****1**

Measurement of stellar radial velocities. Spectroscopy. Classification of stellar spectra. Applications of the Method of Least Squares and statistical methods. The semester's work includes an independent project at the telescope. Prerequisite: 206 and some familiarity with calculus.

Mr. Birney

**302 (2)\* Galactic Structure****1**

Distribution and kinematics of the stellar and nonstellar components of the galaxy. Galactic rotation, problems of spiral structure, the galactic nucleus, the halo.

Prerequisite: 204 and Mathematics 116.

Mr. Birney

**304 (1)\* Astrophysics of Stellar Atmospheres****1**

The physical characteristics of the outer layers of stars derived from both a theoretical and observational viewpoint. The observed and computed spectra of stars will be discussed.

Prerequisite: 204 and Mathematics 201 or 215. Physics 200 is recommended.

Not offered in 1978-79.

Ms. Little-Marenin

**305 (2)\* Stellar Structure and Evolution****1**

The internal structure of stars. Physical processes occurring in stellar interiors, including stellar energy sources. Description of all stages in the existence of a star.

Prerequisite: same as for 302.

Not offered in 1978-79.

Miss Dinger

**349 (1)\* Selected Topics****1**

Topic for 1978-79: Variable stars.

Prerequisite: same as for 302.

Mr. Little

**350 (1) (2) Research or Individual Study  
1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Thesis  
2 to 4**

Open only to honors candidates.

**Directions for Election**

The following courses form the minimum major: 204, 207; Mathematics 201 or 210; Physics 200 and 202; two Grade III courses in astronomy and an additional Grade III course in astronomy or physics. Extradepartmental 110 is strongly recommended. In planning a major program students should note that some of these courses have prerequisites in mathematics and/or physics. Additional courses for the major may be elected in the Departments of Physics, Mathematics, and Astronomy.

A substantial background in physics is required for graduate study in astronomy.

A student planning to enter graduate school in astronomy should supplement the minimum major with courses in physics, including Physics 306 and, if possible, other Grade III work. The student is also urged to acquire a reading knowledge of French, Russian, or German.

See p. 32 for a description of Whittin Observatory and its equipment.

# Biological Sciences

Professor:  
Padykula, Widmayer (Chairman), Gauthier•

Associate Professor:  
Coyne•, Allen

Assistant Professor:  
Sanford, Webb, Williams, Harris, Eichenbaum,  
Hirsch

Laboratory Instructor:  
Muise, Dermody, Cooper, Hall, Blacklow

Visiting Professor:  
Fiske<sup>3</sup>

Unless otherwise noted, all courses meet for five periods of lecture, discussion, and laboratory weekly, except for seminars that meet for two periods.

## 108 (2) Horticultural Science

1

Fundamentals of cultivation and propagation of plants, the effects of chemical and environmental factors on their growth, and methods of control of pests and diseases. Laboratory includes work in the field and in the greenhouses. Not to be counted toward the minimum major in biological sciences.

Open to all students except those who have taken [208].

Mr. Sanford, Mrs. Muise, Mrs. Blacklow,  
Ms. Hirsch

## 109 (1) Human Biology

1

Study of anatomy and physiology of man. Some work on human genetics, nutrition, and immunology. Two lectures weekly with a double period every other week for demonstration-discussions. Does not meet the laboratory science distribution requirement. Will not count toward the minimum major in biological sciences.

Open to all students except those who have taken 111 or [100].

Mrs. Fiske

## 110 (1) Introductory Biology I

1

Eucaryotic and procaryotic cell structure, chemistry, and function. Cell metabolism, genetics, cellular interactions and mechanisms of growth and differentiation.

Open to all students.

The Staff

## 111 (2) Introductory Biology II

1

Major biological concepts including the evolution, ecology, and the structure function relationships of multicellular plants and animals.

Open to all students.

The Staff

## 200 (2) Cellular Physiology

1

Intensive study of cell function, physical characteristics of cells, energy metabolism and metabolic pathways, irritability of cells, membranes and membrane transport, evolution of enzyme systems, control mechanisms. Students intending to major should elect this course as soon as possible.

Prerequisite: 110 or [101] and 111 or [100] and one unit of college chemistry.

Mrs. Allen, Mr. Harris, Ms. Cooper

## 201 (1) Introductory Ecology

1

An introduction to ecosystem structure and development, including population and community ecology, intraspecific and interspecific relationships among organisms, and biogeography. Emphasis on evolutionary aspects of ecology. Laboratory emphasis on field work and reduction and presentation of quantitative data.

Prerequisite: 111 or [100] or permission of the instructor.

Mr. Sanford, Mr. Williams

## 202 (2) Comparative Anatomy

1

A systems approach to the study of chordate anatomy emphasizing the relationship between embryology, structure and function which lead to an understanding of evolutionary trends within the vertebrate group as a whole. Laboratory dissection of a variety of chordates from the lamprey to the monkey.

Open to students who have taken 111 [100] or 109 or one semester of college biology, and to juniors and seniors without prerequisite.

Mr. Webb

**205 (1) Genetics****1**

Principles of inheritance, structure and function of hereditary informational molecules, application of genetic principles to biological problems. Laboratory and lecture material selected from plant, animal, microbial, and human studies. Students intending to major should elect this course before entering Grade III work. Prerequisite: 110 or [101] or by permission of the instructor.

Miss Widmayer, Mrs. Dermody, Mrs. Hall

**206 (1) Histology-Cytology I: Cell and Tissue Structure****1**

The microscopic organization of animal cells and tissues. Ultrastructural and cytochemical features considered, especially in relation to functional activity. Laboratory study includes direct experience with selected histological and histochemical techniques.

Prerequisite: 110 or [101].

Ms. Padykula

**207 (2) Nonvascular Plants****1**

Morphology, taxonomy, and evolutionary relationships of representative fungi, algae, lichens, liverworts, and mosses. Laboratory includes microscopic observations of a diversity of genera and culturing of selected specimens.

Prerequisite: 111 or [100] or the equivalent or by permission of the instructor.

Not offered in 1978-79.

Mr. Sanford

Offered in 1979-80.

**209 (2) Microbiology****1**

Introduction to bacteriology, virology, and immunology. A detailed consideration of biological principles which characterize the microbial world. The microbiology of infectious disease and unique features of microorganisms will also be considered.

Prerequisite: 110 or [101] and one unit of college chemistry.

**210 (2) Invertebrate Zoology****1**

Comparative study of the major invertebrate groups emphasizing evolutionary trends and adaptations to the environment. Laboratories will use live material when possible for the study of structure and function.

Prerequisite: 111 or [100] or the equivalent.

Not offered in 1978-79.

Mr. Williams

Offered in 1979-80.

**211 (1)\* Developmental Plant Anatomy****1**

Structure and function of cells, tissues, and organs comprising the plant body. Developmental aspects are utilized to enhance the understanding of plant structure and its variability. Investigations of plants in the laboratory, greenhouses, and growth chambers. Laboratory includes basic microtechnique, light microscopy, and photomicrography.

Prerequisite: same as for 207.

Not offered in 1978-79.

Mr. Umber

**212 (1)\* Fundamentals of Plant Horticulture****1**

Study of how plants are constructed starting with the cell, leading to the organization of cells into tissues and the grouping of the tissues into the organs of the plant: leaf, stem and root. The development of the various plant structures as well as their adaptations to specific environments will also be considered. Laboratory includes basic microtechnique, light microscopy and observation of prepared plant specimens and living material in the greenhouses.

Prerequisite: same as for 207.

Ms. Hirsch

**213 (1) Neurobiology. The Biological Bases of Behavior****1**

A survey of concepts and techniques in the study of the relationships between the nervous system and behavior. Covers basic neuroanatomy and neurophysiology and brain mechanisms in sensation, perception, emotion, and movement. Emphasis on comparison of experiments with animal and human subjects in an effort to shed light on cognitive functions in man. Prerequisite: 111 or [100] or 109 or Psychology 101. Admission *only* by permission of instructor.

Mr. Eichenbaum

**214 (2) Research Methods in Neurobiology**

**1**

An introduction to methods, design, and analysis of experiments in psychobiology. Begins with exercises in hypothetical experiments; includes as a major part of the course, participation in a group research project.

Prerequisite: 213 or Psychology 245. Admission *only* by permission of the instructor.

Mr. Eichenbaum

**216 (1) Concepts in Growth and Development**

**1**

Introduction to principles governing the growth and development of organisms. Lectures and laboratory integrate the use of plant, animal and microbial systems to illustrate concepts of development from the molecular to the gross morphological level.

Prerequisite: 110 or [101] and 111 or [100] or permission of the instructor.

Mr. Webb, Ms. Hirsch

**221 (1) (2) Biochemistry I**

**1**

For description and prerequisite see Chemistry 221.

**302 (2) Animal Physiology**

**1**

A study of organ systems in vertebrates. Half of this course will cover topics in cardiovascular, respiratory, digestive, excretory, and endocrine physiology. The other half will cover sensory, neural, and muscle physiology. Students gain experience in the use of various physiological measuring devices such as kymographs, polygraphs, strain gauges, pressure transducers, stimulators, oscilloscopes, and microelectrode recording equipment.

Prerequisite: 200 or 213 or permission of the instructor.

Mr. Eichenbaum

**304 (2) Histology-Cytology II: Structure of Organ Systems**

**1**

Analysis of the microscopic organization of organ systems, particularly those of the mammal. Detailed examination of selected specialized cells; the relationship of ultrastructural and cytochemical features to principal physiological processes.

Prerequisite: 206.

Ms. Padykula

**305 (2) Seminar. Genetics**

**1**

Cytological and biochemical aspects of gene structure and function, mutational and recombinational processes, problems of cellular differentiation.

Prerequisite: 205, and either 200 or Chemistry [201] or 211. Admission *only* by permission of the instructor.

Miss Widmayer

**306 (2) Developmental Biology and Embryology**

**1**

The first part of the semester is devoted to the study of human ontogenetic development, including some immunological aspects of pregnancy. The remainder of the semester is spent discussing current areas of interest in developmental biology (e.g., tumorigenesis, organization, and operation of the genome, pattern formation, hormone action). Emphasis on the experimental approaches used in determining the cellular and molecular mechanisms involved in developing systems. Students undertake group research projects which are designed to familiarize them with some of the methodology and equipment currently utilized in the experimental analysis of development.

Prerequisite: 216 is strongly recommended, although students who have taken 200 or 205 may enroll with permission of the instructor.

Mr. Webb

**307 (1) Topics in Ecology**

**1**

Topic for 1978-79: Plant ecology. Investigation of individual plant species and vegetation in relation to environmental factors. Topic for 1979-80: Theoretical ecology. Current issues and controversies in ecology. Laboratories and field studies.

Prerequisite: 201 or permission of the instructor.

Mr. Sanford

**309 (1) Experimental Plant Biology**

**1**

Topic for 1978-79: Plant physiology. A series of independent research projects will be conducted throughout the semester culminating in a final paper and oral presentation. The class will involve informal discussions and oral presentations of both research progress and relevant papers from scientific journals. One class meeting each week.

Prerequisite: 200 and two units of college chemistry, or permission of the instructor.

Mr. Harris

**310 (2) Seminar. Topics in Plant Biology**

**1**

Topic for 1978-79: Plant morphogenesis. Study of internal and external factors affecting the development of form. Emphasis is placed on the regulation and mechanisms of cytodifferentiation and organogenesis.

Topic for 1979-80: To be announced.

Prerequisite: 205.

Ms. Hirsch

**312 (2) Seminar. Endocrinology**

**1**

Selected topics on the regulation and action of hormones and neurohormones in vertebrates. Emphasis on the study of current literature.

Prerequisite: 205 and 200 or permission of the instructor. 302 is strongly recommended.

Not offered in 1978-79.

Mrs. Coyne

Offered in 1979-80.

**313 (1) Microbial Physiology and Cytology**

**1**

Microorganisms used as model systems for the study of cellular growth and its physiological basis, metabolic patterns, biochemical genetics, and relation of structure to function.

Prerequisite: 200 and 205 or permission of the instructor.

Mrs. Allen

**314 (1) Seminar. Topics in Microbiology**

**1**

Topic for 1978-79: Immunology.

Prerequisite: Open by permission of the instructor. Suggested preparation for this course includes 200 or 205, 209 and Chemistry 211.

**319 (2) Advanced Cytology: Biological Ultrastructure**

**1**

Introduction to the principles and procedures of electron microscopy. Emphasis on interpretation of ultrastructural and cytochemical features of cellular components, particularly as related to biochemical and physiological properties. A knowledge of the basic principles of biochemistry strongly recommended.

Prerequisite: 206 and either Chemistry [201] or 211, and permission of the instructor. 304 is recommended but not required.

Not offered in 1978-79.

Ms. Gauthier

Offered in 1979-80.

**326 (2) Biochemistry II**

**1**

For description and prerequisite see Chemistry 326.

**330 (2) Seminar**

**1**

Topic for 1978-79: Marine and freshwater biology. Discussion of the ecological and physiological aspects of life in the world of water, with consideration of the physical and chemical characteristics of different marine and freshwater habitats. Readings in primary source material.

Prerequisite: 201 or 207 or 210.

Mr. Williams

**331 (1) Seminar**

**1**

Topic for 1978-79: To be announced.

**350 (1) (2) Research or Individual Study**

**1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Thesis**

**2 to 4**

Open only to honors candidates.



## Directions for Election

A major in biological sciences must include two Grade I units or their equivalent and 205, which should be taken before declaring the major or before electing Grade III work. 200 is also required but may be taken later. Students are advised that 200 is a prerequisite for several 300 level courses. At least two Grade III units must be taken at Wellesley College. One of these Grade III units, exclusive of 350 or 370 work, must require laboratory experience. Two units of chemistry are also required. Additional chemistry is strongly recommended or required for certain Grade III courses. Biochemistry (221 and 326) does not count toward minimum major in biology.

Courses 108 and 109 do not ordinarily count toward the minimum major in biological sciences, but they do fulfill the College distribution requirements for the degree; 108 as a laboratory science; 109 as a nonlaboratory science course. Independent summer study and courses in biochemistry will not count toward the minimum major.

Within the major, students may design a program in general biology or one which emphasizes subjects dealing with animals, plants, or microorganisms. A broad training in the various aspects of biology is recommended.

Students interested in an interdepartmental major in molecular biology are referred to the section of the Catalogue where the program is described. They should consult with the director of the molecular biology program.

Freshmen with advanced placement or with 110 or 111 exemptions are advised to take another biology course at the 200 level before continuing the core curriculum.

Students interested in an individual major in psychobiology should contact a faculty member who teaches 213.

Students planning graduate work are advised to take calculus, statistics, organic chemistry, two units of physics, and to acquire a working knowledge of computers and a reading knowledge of a second language. They should consult the catalogues of the schools of their choice for specific requirements.

Premedical students are referred to the requirements given on p. 38.

# Black Studies

Associate Professor:  
Martin, Scott\*

Assistant Professor:  
Spillers, Jackson (Chairman)

Instructor:  
Chambers

Lecturer:  
Herron<sup>3</sup>

\*\*

Course may be elected to fulfill in part the distribution requirement in Group A

\*\*\*

Course may be elected to fulfill in part the distribution requirement in Group B

## 105 (1)\*\*\* Introduction to the Black Experience 1

The course serves as the introductory offering in Black Studies and explores in an interdisciplinary fashion salient aspects of Black history, culture, and life in Africa, the Caribbean, and the Americas. Its aim is to provide students with a fundamental intellectual understanding of the world Black experience as it is reflected in history, the humanities, and social sciences.  
Open to all students.

The Staff

## 150 (1)\*\*\* Colloquium 1

For directions for applying see p. 46. Open by permission to a limited number of freshman and sophomore applicants.

African Diaspora

An attempt to examine the assumptions—historical, logical, rhetorical, and cultural—which underlie the poetry of certain New World writers in the 20th century; e.g., Langston Hughes, Nicolás Guillén, Aimé Césaire, Edward K. Brathwaite, and the poetry of Black resurgence in the United States, the new poets of the 1960's. The colloquium will look at this poetry against its changing historical background.

Ms. Spillers

**151 (1) (2) 1919. Year of the "New Negro"**  
**1**

"New Negro" was a term used by Black people all over the world to describe the attitudes of militancy and race pride that characterized the years after World War I. This colloquium will examine race riots, militant race organizations, radical Black publications and the like for the year 1919. Material will be drawn from the United States, the West Indies, England, South Africa, and possibly other places where Black people lived, to show the universality of the "New Negro" phenomenon and the interconnectedness of its manifestations.

Open to all students.

Mr. Martin

**202 (2)\* \*\*\* Introduction to African Philosophy**  
**1**

Initiation into basic African philosophical concepts and principles. The first part of the course deals with a systematic interpretation of such questions as the Bantu African philosophical concept of Muntu and related beliefs, as well as Bantu ontology, metaphysics, and ethics. The second part centers on the relationship between philosophy and ideologies and its implications in Black African social, political, religious, and economic institutions. The approach will be comparative. Offered in alternation with 211. Open to all students except those who have taken [302].

Mr. Menkiti

**203 (2)\*\*\* Research Methods in Afro-American Anthropology**  
**1**

The purpose of this course is to formulate a conceptual framework from which research questions on a specific research topic, having to do with some aspect of Afro-American culture, can be formulated, following which the methodologies for answering the research questions can be developed.

Open to all students.

**204 (1)\*\*\* Introduction to Afro-American Anthropology**  
**1**

This course is designed to introduce the student to the methodology and theoretical underpinnings of anthropology as a basis for the description and analysis of Afro-American experience in cultural rather than racial terms.

Open to all students.

**206 (1-2)\*\*\* Afro-American History**  
**1 or 2**

First semester: Afro-American history to 1865. Study of the political, economic, and social development of American Blacks from their African origins to the end of the Civil War. Second semester: Afro-American history since 1865. An analysis of the social, economic, and political developments within the Black community from the Reconstruction era to the emergence of Black Power.

One unit of credit may be given for either semester.

Open to all students.

Ms. Herron

**207 (1)\*\* Revolution and Insurrection: The Neglected Literature of Nineteenth Century Black Americans**  
**1**

The study of neglected Black fiction of the 19th century. Special attention is given to the efforts of Black authors of this period, despite their use of so-called "dialect," to project positive images of Black life and to promote Black political advancement. Pan-African and Third World themes in these writings are also explored.

Open to all students.

Not offered in 1978-79.

Mr. Chambers

**208 (2)\*\* Revolution and Insurrection: The Neglected Literature of Twentieth Century Black Americans**  
**1**

Examination of neglected works of fiction by 20th century Black writers. Some comparisons will be made with earlier works to illuminate the various styles, themes, concepts, artistic merit, and orientation of Black fiction.

Open to all students.

Not offered in 1978-79.

Mr. Chambers

**209 (2)\*\* The Black Total Theatrical Experience: Concepts and Production**  
**1**

An academic study of plays from the rich heritage of Black drama combined with both the technical and performing aspects of theatre. Students will have the opportunity to apply the skills acquired in the course to a major production. Students will be encouraged to direct, act, sing, or dance and to learn about the basic mechanics (lights, set design, set construction, costumes) that help to create the so-called "magic" of theatre.

Open to all students.

**210 (1-2)\*\* Black Drama in the Twentieth Century****1 or 2**

Basic concepts, subtleties, and complexities of the Black playwright and his interpretation of the various Black experiences that are an integral part of the Black man's existence in a racist society. Lonne Elder III, Ron Milner, Adrienne Kennedy, Alice Childress, Joseph Walker, James Baldwin, Imamu Baraka, Lorraine Hansberry, Ted Shine, William Branch, and Douglas Turner Ward are among the playwrights to be considered. Special emphasis on the aesthetics of Black drama and theatre in general. Students will also be given the opportunity to explore how Black drama has helped to save Broadway from its own artistic and economic decadence. One unit of credit may be given for either semester.

Open to all students.

Not offered in 1978-79.

**211 (1)\* \*\* Introduction to African Literature****1**

The development of African literature in English and in translation. Although special attention will be paid to the novels of Chinua Achebe, writers such as James Ngugi, Camara Laye, Wole Soyinka, Ezekiel Mphahlele, and Christopher Okigbo will also be considered. The influence of oral tradition on these writers' styles as well as the thematic links between them and writers of the Black awakening in America and the West Indies will be discussed as time allows. Offered in alternation with 202.

Open to all students.

Not offered in 1978-79.

Mr. Menkiti

**212 (1)\*\*\* Introduction to Afro-American Politics****1**

An in-depth exploration of the efforts by Afro-Americans in the United States to realize political effectiveness in the American political system. Comparison of the political experiences of Afro-Americans with those of other ethnic groups in the American political system.

Open to all students.

Mr. Jackson

**213 (2)\*\*\* Political Development in the Black Community****1**

A comprehensive analysis of the development and political behavior of Black leadership and organizations in the North and South. This course will consider different political styles and political structures utilized by Blacks in each of these areas.

Not open to students who have taken 212.

Mr. Jackson

**214 (2)\*\*\* Blacks and the United States Supreme Court****1**

An analysis of the Supreme Court and its impact on the lives and experiences of Black Americans. Particular concern will focus on the Court's role as protector-creator of fundamental rights and privileges for Black Americans.

Open to sophomores, juniors and seniors without prerequisite and to freshmen by permission of the instructor.

Mr. Jackson

**216 (1)\*\*\* History of the West Indies****1**

Survey of political, economic, and sociological factors shaping West Indian society. Topics covered include Africans in the New World before Columbus, genocide against the indigenous peoples, slavery and slave revolts, immigration and emigration, the West Indies and Africa, the West Indies and Afro-America, the struggle for majority rule, the spread of United States influence, independence and its problems.

Open to sophomores, juniors, and seniors without prerequisite. Not open to students who have taken [316].

Mr. Martin

**230 (2)\*\*\* The Black Woman****1**

An examination of the Black Woman in the Diaspora as portrayed in the writings of Black women from the United States, Africa, and the Caribbean. Analysis and discussion will establish both a conceptual framework and a historical-cultural context in which recurring themes in the works may be compared and contrasted.

Open to all students.

**264 (2)\*\* Black Literature in America****1**

Poetry and prose from slave narratives to the present day with emphasis upon modern major figures.

Open to all students except those who have taken [228].

Ms. Spillers

**310 (1-2)\*\* Seminar. Black Literature****1 or 2**

Topic for 1977-78: Authentic and nonauthentic slave narratives. Part I of the seminar examines *authentic* slave narratives, those written by the slaves themselves. Part II concerns itself with the nonauthentic slave narratives, those involving a *second* party. Hopefully, a detailed look at the two categories of slave narratives will give students a total awareness of Black religion, folklore, history, autobiography, biography, drama, spirituals, and secular songs of the slaves. Also, close study of the authentic and nonauthentic slave narratives will give students the opportunity to see how the slaves successfully incorporated and made an *art of dissembling* in order to survive an oppressive society. One unit of credit may be given for either semester. Prerequisite: one Grade II unit in literature or permission of the instructor.

Mr. Chambers

**315 (1) Urban Black Politics in the South****1**

The political modernization paradigm has been extensively used by political scientists in their examinations of African, Asian, and Latin American countries. This seminar will use this approach in an effort to examine recent political changes in the urban South. Materials based on the Atlanta, Birmingham, Houston, New Orleans, and Durham experiences will be emphasized. Open to qualified juniors and seniors.

Mr. Jackson

**317 (1) Political Sociology of Afro-Americans****1**

An explanatory analysis of the changing political and social indices operative in the Black community. Emphasis will be placed on the political and social patterns that have emerged as a result of these changes.

Open only to juniors and seniors.

Not offered in 1978-79.

Mr. Jackson

**319 (2)\*\*\* Pan-Africanism****1**

The historical efforts of Black people all over the world to unite for their mutual advancement will be examined. Such topics as 19th century emigrationist movements, the role of Afro-American churches in African nationalism, the Pan-African congresses of W. E. B. DuBois, the Garvey movement, the Pan-African ideas of Malcolm X, the Pan-African aspects of Southern African liberation movements and others will be discussed.

Prerequisite: one unit in Black history or permission of the instructor.

Mr. Martin

**320 (1)\*\*\* Black Institutions****1**

An overview of the role of Afro-American institutions as expressions of Afro-American cultural autonomy. The focus of this course will be the Black church in general, and the African Methodist Episcopal Church in particular, as we look at the ways in which Afro-American schools, businesses, fraternal and civil rights organizations serve to institutionalize the values of Afro-American life.

Open to qualified juniors and seniors.

**340 (2)\*\*\* Seminar. Afro-American History****1**

Topic for 1978-79: Blacks and communists. Many of the most important Black leaders in the 20th century have belonged at one time or another to a communist organization or have at least flirted ambiguously with communism. The list includes W. E. B. DuBois, George Padmore, Langston Hughes, Richard Wright, Paul Robeson, Marcus Garvey, Kwame Nkrumah, Angela Davis, Malcolm X, and others. This seminar will attempt to discover why communism has exerted this fascination upon persons struggling for Black liberation and why the association has sometimes ended in disillusionment. Most of the seminar will deal with the situation in the United States. Material will also be drawn from Europe, Africa, and the West Indies.

Open to qualified juniors and seniors and by permission to sophomores with a strong background in Black studies courses.

Mr. Martin

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

The following courses are offered as related work by other departments where they are described. Courses from this list may be counted toward the major, provided that a minimum of six courses are elected from the Black Studies departmental offerings.

**106 (2) Afro-American Music**

See Music 106.

**211 (2) Arts of Black Africa**

See Art 211.

**226 (1) History of Afro-American Art**

See Art 226.

**250 (2) The Political Economy of Sub-Saharan Africa**

See Economics 250.

**267 (1) Africa Before the Europeans: Dark Continent or Kingdoms of Light?**

See History 267.

**268 (2) Africa in the Modern World**

See History 268.

## Directions for Election

The requirements for the major are consistent with the concept of Black studies as a multidisciplinary field of study. The requirements are designed to provide a wide range of knowledge and analytical ability as well as a firm foundation in an area of specialization, such as anthropology, history, economics, political science, or literature.

It is recommended that two units be elected in each of the three general areas of Black history, humanities, and the social sciences as multidisciplinary training. As the basic introduction to the discipline of Black studies, 105 is recommended for the major. At least four units must be taken in a single discipline as a field of specialization.

At least two courses should be at the 300 level. A minimum of six courses must be elected from Black studies departmental courses. The others may be elected, after consultation with your advisor, from related courses taught in other departments or from courses taken on exchange.

# Chemistry

Professor:

Crawford (Chairman), Webster, Rock, Loehlin

Associate Professor:

Hicks•

Assistant Professor:

Kolodny, Levy, Kahl•, Hearn, Umans, Swallow, Chang

Laboratory Instructor:

Darlington, Mann, Smith<sup>3</sup>, Lieberman<sup>3</sup>

Unless otherwise noted, all courses meet for two periods of lecture and one three-and-one-half hour laboratory appointment weekly and one 50-minute discussion period every other week, at the pleasure of the instructor. The selected topics courses will generally be taught without laboratory, but may include laboratory for some topics. Calculators may be used in all chemistry courses.

## 101 (1) Contemporary Problems in Chemistry I

Consideration of selected aspects of chemistry and related chemical concepts. Topic for 1978-79: Forensic chemistry. There will be no scheduled discussion session. Not to be counted toward the minimum major. Students wishing credit for more than one unit of 101-102 should consult the department.

Open to all students except to those who have taken any Grade I course in the department.

Mrs. Swallow

## 102 (2) Contemporary Problems in Chemistry II

Consideration of selected aspects of chemistry and related chemical concepts. Topic for 1978-79: To be announced. There will be no scheduled discussion session. Not to be counted toward the minimum major. Students wishing credit for more than one unit of 101-102 should consult the department.

Open to all students except to those who have taken any Grade I course in the department.

Mr. Chang

**105 (1) Fundamentals of Chemistry****1**

The periodic table, atomic structure, chemical formulas and equations; states of matter, properties of solutions, equilibria in solution, electrochemistry. Three periods of lecture and one three-and-one-half hour laboratory appointment weekly. Not open to students who have taken [103], 106, 107 or 108.

Open only to students who have not taken a chemistry course within the past four years. Serves as prerequisite for 110.

Mr. Umans

**106 (1) Introductory Chemistry I****1**

The periodic table, atomic structure, states of matter, properties of solutions, equilibria in solution, electrochemistry.

Open only to students who have taken one year of high school chemistry and no physics. Not open to students who have taken [100] or [103].

Mr. Hearn

**107 (1) (2) Introductory Chemistry I****1**

The periodic table, atomic structure, states of matter, properties of solutions, equilibria in solution, electrochemistry.

Open only to students who have taken one year of high school chemistry and one year of physics. Not open to students who have taken [100], [103], or 105.

Ms. Rock, Mr. Chang

**108 (1) Introductory Chemistry I****1**

The periodic table, atomic structure, states of matter, properties of solutions, equilibria in solution, electrochemistry.

Open only to students who have taken more than one year of high school chemistry. Not open to students who have taken [100] or [103].

Mrs. Kolodny

**110 (1) (2) Introductory Chemistry II****1**

Atomic and molecular structure, chemical bonding, chemistry of elements, introduction to chemical energetics and kinetics.

Prerequisite: [100], [103], 105, 106, 107, or 108.

Mrs. Kolodny

**211 (1) (2) Organic Chemistry I****1**

A study of the synthesis and reactions of typical organic compounds with emphasis on the chemistry of aliphatic molecules.

Prerequisite: [104] or 110.

Miss Crawford, Miss Webster, Mr. Hearn

**221 (1) (2) Biochemistry I****1**

A study of the chemistry of proteins and nucleic acids, with emphasis on structure-function relationships. Particular emphasis on the mechanism of enzyme action.

Prerequisite: 211; Biology 205 is recommended.

Mrs. Levy

**231 (1) (2) Physical Chemistry I****1**

Properties of gases, chemical thermodynamics, properties of solutions and chemical kinetics. Second semester will have special emphasis on biochemical examples.

Prerequisite: [104] or 110, Mathematics [111] or 116, and Physics 103 or 104 or 105 or 106 or 110.

Ms. Rock

**241 (1) Inorganic Chemistry****1**

Chemical periodicity, structure and reactivities in inorganic systems.

Prerequisite: 211.

Mr. Chang

**261 (2) Analytical Chemistry****1**

Classical and instrumental methods of separation and analysis, quantitative manipulations, statistical treatment of data. One lecture and two laboratory meetings each week.

Prerequisite: 211 or 231.

Mrs. Swallow

**306 (1) Seminar****1**

Each year an important topic will be studied from a variety of chemical perspectives. Topic for 1978-79: Energy-Problems and Possibilities. A scientific study of the energy situation and the prospects for the future. One two-period meeting per week. No laboratory.

Open to all students regardless of major who have completed two units of chemistry beyond the Grade I level and who have permission of the instructor.

Mr. Loehlin

**309 (1) Foundations of Chemical Research****1**

Advanced study of research design and methods through the literature and the laboratory. Two three-and-one-half hour periods of lecture and/or laboratory each week.

Prerequisite: 211, 231 and 261.

Mrs. Swallow

**313 (1) (2) Organic Chemistry II****1**

A continuation of 211, with emphasis on the chemistry of aromatic molecules.

Prerequisite: 211.

Miss Crawford, Miss Webster, Mr. Hearn

**319 (1)\* Selected Topics in Organic Chemistry****1**

Normally a different topic each year.

Prerequisite: 313 and permission of the instructor.

Not offered in 1978-79.

Offered in 1979-80.

**326 (2) Biochemistry II****1**

A study of biochemical energetics, intermediary metabolism, with emphasis on the mechanism of individual enzymatic reactions, functions of coenzymes, problems of physiological regulation.

Prerequisite: 221 and 231; 313 and Biology 200 are recommended.

Mr. Umans

**329 (1)\* Selected Topics in Biochemistry****1**

Topic for 1978-79: The role of metal ions in biochemistry. There will be no scheduled discussion session.

Prerequisite: 221 and permission of the department.

Mrs. Levy

**333 (2) Physical Chemistry II****1**

Quantum chemistry and spectroscopy. Structure of solids and liquids.

Prerequisite: 231, Physics 106 or 110 and Mathematics 201, [207] or 215.

Mrs. Kolodny

**339 (2)\* Selected Topics in Physical Chemistry****1**

Topic for 1978-79: Crystals and crystallography. The classification of crystals and an introduction to diffraction methods of structure determination. There will be no scheduled discussion session.

Prerequisite: 231 and permission of the department.

Mr. Loehlin

**349 (2)\* Selected Topics in Inorganic Chemistry****1**

Normally a different topic each year.

Prerequisite: 241 and permission of the department.

Not offered in 1978-79.

Offered in 1979-80.

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission to students who have taken at least two units in chemistry above the Grade I level.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Directions for Election**

Chemistry 105, 106, 107, and 108 all serve as prerequisite for Chemistry 110. Final assignment to one of these courses will be made by the staff of the Chemistry Department. Chemistry 106, 107, and 108 will differ only in emphasis and in depth of presentation. The same material will be treated in all three courses.

A major in chemistry must include [100], [103], 105, 106, 107, or 108 and [104] or 110, or their equivalent, 211, 313, 231, and 333, plus two additional units exclusive of 350 and 370. In addition, Mathematics 201, [207] or 215 and a Grade II unit of physics are required.

Students planning graduate work in chemistry or closely allied fields should plan to elect 241 and 261, and should also strongly consider additional mathematics and physics courses. A reading knowledge of German and either French or Russian is required in many graduate programs.

Students planning to elect Organic Chemistry I and II and/or Physical Chemistry I and II are urged to elect both units I and II in the same academic year whenever possible.

Students interested in biochemistry or molecular biology are referred to the section of the Catalogue where the interdepartmental major in molecular biology is described. They should consult with the director of the molecular biology program.

Premedical students are referred to the requirements given on p. 38. Note that either 231 or 313 is acceptable to most medical schools as the fourth chemistry unit.

The American Chemical Society has established a set of requirements which it considers essential for the training of chemists. Students wishing to meet the standard of an accredited chemist as defined by this society should consult the chairman of the Department of Chemistry.

### Placement and Exemption Examinations

For exemption with credit students will be expected to submit laboratory notebooks or reports.

## Chinese

Professor:  
Lin (Chairman)

Associate Professor:  
Tai

Lecturer:  
Yao, Hinton

Instructor:  
Brook<sup>3</sup>  
Lam<sup>3</sup>

Teaching Assistant:  
Banwell

MIT students who wish to take courses on the MIT campus see course listings at the end of this section.

### 101 (1-2) Elementary Spoken Chinese 2

Introduction to vernacular Mandarin Chinese. Pronunciation, sentence structure, conversation and reading. Three periods. 101 and 102 combined form the first-year Chinese course. Open to all students with no background or no previous formal Chinese language training. Corequisite: 102.

Mrs. Lin, Mrs. Yao

### 102 (1-2) Basic Chinese Reading and Writing 1

Development of reading skills of simple texts and in character writing in both regular and simplified forms. One period with an additional hour for smaller group discussions or individual assignments. 101 and 102 combined form the first-year Chinese course. Open to all students with no background or no previous Chinese language training. Corequisite: 101.

Mrs. Yao

### 106 (2) Introduction to Chinese Culture 1

For description and prerequisite see Extradepartmental 106.



**141 (2) China on Film****1**

For description and prerequisite see Extradepartmental 141.

**151 (2) Advanced Elementary Chinese****1**

A further study with emphasis on speaking, reading, writing, and analyzing in vernacular Mandarin. Conversational practice stressing the building of verbal skills in daily life and intellectual topics. Three periods.  
Open to students who can read and speak any kind of Chinese dialect fluently or speak some Mandarin with a knowledge of writing about 400 Chinese characters, and by permission of the instructor.

Mrs. Yao

**201 (1-2) Intermediate Chinese Reading****2**

Reading with emphasis on vocabulary building; review and further development of sentence structure, composition, and oral expression. Newspaper reading. Three periods. 201 and 202 combined form the second-year Chinese course. Prerequisite: 101 and 102 taken concurrently, or permission of the instructor. Corequisite: 202.

Ms. Hinton

**202 (1-2) Intermediate Conversational Chinese****1**

Discussion of current events and cultural topics. One period with an additional hour for smaller group discussions or individual assignment. 201 and 202 combined form the second-year Chinese course.

Prerequisite: same as for 201. Corequisite: 201.

Ms. Hinton

**241 (1)\* Chinese Poetry and Drama in Translation****1**

For description and prerequisite see Extradepartmental 241.

**242 (2)\* Chinese Fiction in Translation****1**

For description and prerequisite see Extradepartmental 242.

**252 (1) Readings in Modern Style Writings****1**

Reading and discussion in Chinese of selections from contemporary Chinese writings, including plays, poetry, and essays on various topics such as economics, history, philosophy, political theory, and sociology. Three periods.

Prerequisite: 201 and 202 taken concurrently, or by permission of the instructor.

Mrs. Yao

**300 (2) Readings in Contemporary Chinese Literature****1**

Reading and discussion in Chinese of selections from short stories, novels, and essays. Three periods.

Prerequisite: 231 or 252 or by permission of the instructor.

Mrs. Lam

**301 (2) Readings in Expository Writings of Revolutionary China, Before and After 1949****1**

Readings and discussions in Chinese of selections from revolutionary China pre- and post-1949, including the works of Mao Tse-Tung and important issues of various revolutionary cultural movements in China, with strong focus on political and social aspects. Three periods.

Prerequisite: 252 or by permission of the instructor.

Mrs. Lin

**310 (1) Introduction to Literary Chinese****1**

Wen-yen grammar, reading, and discussion in Chinese of selections of simple texts in classical Chinese. Two periods.

Prerequisite: 231 or 252 or by permission of the instructor.

Mrs. Lin

**311 (2) Readings in Elementary Classical Chinese****1**

Reading and discussion in Chinese of selections of poetry, prose, traditional short stories, and novels. Two periods.

Prerequisite: 310 or by permission of the instructor.

Mrs. Lin

**316 (1) Seminar. Chinese Literature in the Twentieth Century****1**

Study of works and authors in Chinese theatre, poetry, novels, etc. Topic for 1978-79: Development of contemporary Chinese theatre from the May 4th movement to the present. Readings and discussions all in Chinese. Course will be offered to both MIT and Wellesley students. Meets weekly, alternating between the two campuses.

Prerequisite: 300 or 301 or by permission of the instructor.

Mr. Tai

**350 (1) (2) Research or Individual Study  
1 or 2**

Open by permission to qualified students.

**Offered at MIT****101M (1-2) Elementary Chinese****2**

Introduction to vernacular Mandarin Chinese. Pronunciation, sentence structure, conversation, reading, and writing. Offered at MIT only, preference given to MIT students.

Mr. Tai

**201M (1-2) Intermediate Chinese****2**

Reading with emphasis on vocabulary building; review of sentence structure, composition, and oral expression. Discussion of current events and cultural topics. Four periods. Offered at MIT only, preference given to MIT students.

Prerequisite: [100] or by permission of the instructor.

Mrs. Lam (1), Mr. Tai (2)

**Directions for Election**

Although the College does not offer a major in Chinese language and literature, students who major in East Asian studies or Chinese studies that relate to China should consult the chairman of the department and the advisor early in the college career.

For students majoring in East Asian studies who do not intend to do graduate work, at least one year of Chinese is encouraged, but not required. Students who wish to do graduate work in East Asian studies are advised to complete at least two years of Chinese language training.

For students majoring in East Asian studies, with a concentration of Chinese studies, the minimum requirement is three years of Chinese language and literature in the original Chinese. Students who wish to take Chinese 252 or other courses in Chinese literature are advised to have a knowledge of Chinese culture or history. For this, History 275 and 276 are recommended.

Course 350 is an opportunity for properly qualified students to work independently in fields not covered in other courses in the department. It can also provide continuing study in classical Chinese literature.

# Economics

Professor:

Bell, Goldman<sup>•1</sup>, Morrison (Chairman), Newell

Assistant Professor:

Painter<sup>•</sup>, Frodin, Horner, Case, Christensen, Ratner

Instructor:

Amott, Matthaei, Özkan

Visiting Professor:

Funk<sup>1</sup>

## 101 (1) (2) Survey of Modern Economics—Microeconomics

## 102 (1) (2) Survey of Modern Economics—Macroeconomics

1 each

Each course may be taken independently and in any order; each contains an overview of the nature of economics and economic systems. Microeconomics, in 101, analyzes the choices of individual firms and households in the markets where they buy and sell; equity and efficiency considerations of income distribution, health, education, the environment, and other policy problems of social welfare. Macroeconomics, in 102, analyzes current problems and policies of national income and GNP; supply and demand; labor and management; some accounting and stock market analysis, the role of government; money and banking, inflation and employment; prosperity and depression; and international payments and balance of trade. In addition to the regularly scheduled class meetings, there will be three special lectures (in both 101 and 102) by department members or visiting scholars. The dates and times of these lectures will be published in the Schedule of Classes; topics and speakers will be announced in class. Open to all students.

The Staff

## 201 (1) (2) Microeconomic Analysis

1

Microeconomic theory; analysis of the individual household, firm, and industry.

Prerequisite: 101 and 102.

Mr. Case, Ms. Matthaei

## 202 (1) (2) Macroeconomic Analysis

1

Macroeconomic theory; analysis of aggregate income, output, employment, and the price level. Prerequisite: same as for 201.

Ms. Frodin, Mr. Ratner

## 203 (1)\* Economic History

1

An economic analysis of European development in the 18th and 19th centuries. A selective application of classical and neoclassical growth models. The development of the market system and modern economic society.

Prerequisite: 101 and 102 or [100].

Not offered in 1978-79.

## 204 (2)\* American Economic History

1

The "new" economic history. A sectoral and factorial analysis of the development of the American economy from colonial times to the 20th century. The economics of slavery and the Civil War. The emergence of an industrial state.

Prerequisite: same as for 203.

Mr. Christensen

## 205 (1) The Corporation

1

The development of the modern corporation and its place in the economy. Corporation organization and financial management. Financial markets; the technical and fundamental aspects of the stock market. Government regulation of corporations and markets.

Prerequisite: same as for 203.

Mr. Funk

## 210 (1) Money and Banking

1

The structure and operation of the monetary system. Commercial banking and other financial institutions. The Federal Reserve System. Monetary theory and policy.

Prerequisite: same as for 201.

Ms. Amott

## 211 (1) (2) Economic Statistics

1

Descriptive statistics and an introduction to statistical inference. Expected values, probability distributions, and tests of significance. Classical models of bivariate and multiple regression. Problem solving using the computer.

Prerequisite: same as for 201.

Mr. Morrison, Ms. Amott

**214 (2) International Finance****1**

International monetary problems, institutions and policy.

Prerequisite: 101 and 102.

Ms. Frodin

**216 (1)\* Elementary Mathematical Economics****1**

Application of elementary calculus and probability to problems of theoretical and applied economics. Topics include simple optimization models in the theory of the firm and household, decision analysis, and inventory theory. Applications will be both macro- and microeconomic. Prerequisite: 101 and 102 and Mathematics 115. No prior knowledge of probability is assumed.

Mr. Horner

**217 (1) Topics in Mathematics and Economics****1**

Applications of calculus and linear algebra to economic analysis. Topics include: linear and nonlinear programming (optimization), input-output analysis, and game theory. Prerequisite: 201 or 202 and Mathematics 201 or 215, or by permission of the instructor.

Not offered in 1978-79.

Mr. Horner, Mr. Shuchat

**225 (2) Urban Economics****1**

Analyses of the urban and suburban economies with particular reference to urban renewal, income distribution, transportation, housing markets, employment, and the economic development of the inner city.

Prerequisite: same as for 201.

Mr. Case

**230 (1) Labor Economics****1**

Activities and policies relating to American labor. Growth and composition of a labor force. Labor unions and collective bargaining. Public policy; social legislation.

Prerequisite: same as for 201.

Mr. Ratner

Not offered in 1978-79.

**235 (2) The Economics of Higher Education****1**

The financing of public and private higher education; rising costs and increased productivity in a service industry, equity of access and redistributional effects of educational spending. The economic implications of the Carnegie Commission Report; Wellesley College used as one case study.

Prerequisite: same as for 201.

Not offered in 1978-79.

**239 (2) Seminar. Economics of the Environment****1**

Is economic growth without environmental deterioration possible? The economic forces (externalities) which cause pollution; the costs and who bears the costs; the energy crisis; the implications of zero economic growth; the extent of the problem and possible solutions both here and abroad.

Prerequisite: 101 and 102.

Mr. Goldman

**241 (1) The Economics of Personal Choice****1**

Analysis and decision-making in ordinary life situations; using economics to plan for one's future. Representative topics include housing, borrowing, having a family, insurance, saving, retirement, investment in one's self.

Prerequisite: 101 and 102.

Mrs. Bell

**249 (1) Seminar. Topics in Political Economy I****1**

Alternative methods of economic analysis: competing paradigms.

Prerequisite: 101 and 102.

Ms. Matthaeci

**250 (2) Topics in Political Economy II****1**

The political economy of Sub-Saharan Africa: the study of development problems and strategies of Sub-Saharan African countries in the post-independence period. Alternative economic theories will be used to analyze the structural impact of increased involvement of traditional African societies in the world economic system.

Prerequisite: 101 and 102.

**301 (2) Comparative Economic Systems****1**

The economics of capitalism, socialism, fascism, and communism.

Prerequisite: 201 or 202.

Mr. Goldman

**302 (1) Economic Development****1**

The problems and possibilities of the less developed countries.

Prerequisite: same as for 301.

Mr. Özkan

**305 (2) Industrial Organization****1**

Analysis of the structure, conduct, and performance of industry. Government regulation and antitrust law, their purpose and accomplishments.

Prerequisite: 201.

Mr. Horner

**308 (2) Income and Equity****1**

Patterns of resource distribution in the U.S. and worldwide concepts of equity as policy goals; problems of redistribution and income maintenance. The economic meaning of equality.

Prerequisite: 201 and 211.

Mrs. Bell

**310 (2) Public Finance****1**

Principles, practices, and economic effects of the public sector. The goals of public finance. A seminar treatment of current issues of fiscal policy.

Prerequisite: 201.

Mr. Case

**312 (1) Economics of Accounting****1**

Accounting principles and practice analyzed in terms of economic concepts of value and cost; problems in accumulating and presenting accounting data for decision-making by firms, by investors, by regulators, and others; case method used in class. Not recommended for sophomores or juniors.

Prerequisite: 201.

Mrs. Bell

**314 (1) International Economics****1**

Theory of international trade. Methods of adjustment to disequilibrium in balance of payments. The impact of international movements of commodities and capital on economic activity in the past and since World War II. Current problems: international liquidity, economic integration, the United States balance of payments.

Prerequisite: 201 and 202.

Ms. Frodin

**315 (1) History of Economic Thought****1**

The development of economic thought from ancient to modern times. A brief study of early economic ideas followed by a more detailed examination of the history of economics since 1776. The systems of the leading economists in the light of their own times and of the present day.

Prerequisite: 201.

Mr. Christensen

**316 (2) Modern Economic History****1**

Economic history from the Great Depression to the present. Analysis of economic problems and policies from the 1920's to the 1970's.

Prerequisite: 202.

Mr. Morrison

**317 (2) Seminar. Introduction to Economic Modeling****1**

Introduction to mathematical and econometric modeling. Techniques of specification, estimation, and simulation of rational and behavioral economic models.

Prerequisite: 201, 202, 211, and Mathematics 115 or 201, or by permission of the instructor.

Mr. Horner

**320 (1) Capital Markets****1**

Theoretical and institutional aspects of debt and equity markets. Investment theory. Portfolio theory. Capital asset pricing model of market equilibrium. Term structure of interest rates. Regulation of capital markets.

Prerequisite: 211 and 201 or 202.

Not offered in 1978-79.

**330 (1)\* Seminar. Topics in Advanced Macro Theory****1**

Recent developments in the theory of the inflation-unemployment tradeoff. Evidence of the effectiveness of monetary and fiscal policy. Analysis of current macro variables. Use of econometric models of U.S. economy.

Prerequisite: 201, 202, and 211.

Mr. Ratner

**350 (1) (2) Research or Individual Study  
1 or 2**

Open by permission to juniors and seniors who have taken 201 and 202.

**370 (1-2) Thesis  
2 to 4**

Open only to honors candidates.

**Directions for Election**

The complete survey course consists of both 100 level courses. Neither 101 nor 102 is a prerequisite for the other and either may be elected separately for one unit of credit.

A student who plans to take any course after 101 and 102 should consult either the instructor or the department chairman.

Students wishing to take the Economics Complement in addition to their major in another field should consult the advisors for that program. In 1978-79 they will be Mrs. Bell and Mr. Morrison.

An economics major contains required courses 201, 202 and 211 which should be taken at Wellesley. Permission to take these courses elsewhere must be obtained in advance from the department chairman. An economics major must take a majority of her Grade III economics units as Wellesley courses; permission for an exception must be obtained in advance from the chairman. All majors are strongly urged to take mathematics and those planning graduate work in economics should take Economics 317. Calculus and linear algebra have proven to be particularly helpful.

Students wishing to develop competence in economics in preparation for graduate work in law, business, or public administration, area studies or international relations, public health, or medicine, may choose the Economics Complement. This consists of Economics 101, 102, 211, and two other Grade II courses. The plan for this option should be carefully prepared, and students are urged to consider the courses chosen and their timing after consulting with the advisors.

# Education

Assistant Professor:  
Foster (Chairman), Brenzel

Associate in Education:  
Rokicki, Sleeper<sup>3</sup>

Lecturer:  
Thalenberg<sup>3</sup>

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Course may be elected to fulfill in part the distribution requirement in Group B

**101 (1)\*\*\* Education in Historical Perspective  
1**

Study of education as the active and deliberate pursuit of standards and principles for individual and community life in Western history. Investigation of various institutions which intentionally transmit a culture's values and knowledge. Changing educational processes and patterns as related to economic developments and to changing assumptions about human nature, the nature of society and ways of knowing and valuing. Emphasis on historical materials and their analysis.

Open to all students.

Ms. Foster

**150 (1) Colloquium  
1**

For directions for applying see p. 46.  
Open by permission to a limited number of freshman and sophomore applicants.

Education in the age of democratic revolution, 1750-1800

Study of the emergence of a republican ideal of education; of the roles of ministers, publicists, and scholars as agents of political education; and of the intellectual traditions from which leaders of the American revolution constructed theories of society, politics, and education.  
Open to freshmen.

Not offered in 1978-79.

Ms. Foster

**200 (1) Modern Philosophies of Education****1**

Analysis of the components of an educational philosophy and their implications for pedagogy. Studies of essentialism, experimentalism, and existentialism as ideologies of education.

Prerequisite: 101 or permission of the instructor.

Mrs. Thalenberg

**206 (1) Women, Education and Work****1**

Examination of ways in which the background of women, educational system, and the structure of work affect the lives of women, from a historical, sociological, and public policy point of view. Relationships between educational and economic institutions. Intersections among the family lives, educational experiences, and work lives of women.

Prerequisite: same as for 208.

Ms. Brenzel

**208 (2) Growing Up Female: Varieties of Educative Experiences of Women in American History****1**

Examination of the role of education in shaping the lives of women in American history. Exploration in biographies and autobiographies of women's efforts to educate themselves and of individual and/or group self-consciousness in processes of education.

Open to all students who have taken one unit in Group B.

Ms. Foster

**212 (1) History of American Education****1**

Study of the various historical factors underlying the development of education as a central force in American culture. Topics include the popularization of public schooling, its role in socializing the young, and the effects of political, economic, and social forces in shaping American education.

Open to all students.

Ms. Brenzel

**216 (2) Education, Society, and Social Policy****1**

Through examination of educational theories and practices in an interdisciplinary manner, the social context of educational and social policies will be analyzed. The formulation and implementation of these policies will be studied with special emphasis on issues such as inequality, desegregation, community control and alternative schooling. Course will focus on the interrelationships between social structure and education, the potential and limits of education and social policy.

Open to all students.

Ms. Brenzel

**235 (2) The Economics of Higher Education****1**

For description and prerequisite see Economics 235.

Not offered in 1978-79.

**300 (1) The Secondary School****1**

Aims, organization and administration of United States secondary schools, including "free" schools. Topics include history of the secondary school, secondary school education in relation to adolescent development, and the role of the secondary school in the community.

Prerequisite: 101.

Mr. Sleeper

**302 (2) Methods and Materials of Teaching****1**

Study and observation of teaching objectives and classroom procedures in secondary schools. Review of learning theories. Examination of curriculum materials in major teaching fields and of curriculum planning in general. Open only to seniors doing student teaching. Students electing 302 and 303 may include in addition one unit of independent study in the same semester.

Prerequisite: 300 or permission of the instructor. Corequisite: 303.

Mr. Sleeper

**303 (2) Curriculum and Supervised Teaching****1**

Observation, supervised teaching, and curriculum development in student's teaching fields throughout the semester. Attendance at secondary school placement required five days a week. Students electing 302 and 303 may include in addition one unit of independent study in the same semester.

Corequisite: 302.

Ms. Brenzel

**305 (2) Seminar. History of Child Rearing and the Family****1**

Examination of the 19th century American family and the emerging role of the state in assuming responsibility for child rearing and education. Study of the role of institutions and social policy in attempting to shape the lives of immigrants, poor families and their children.

Open to juniors and seniors without prerequisite.

Ms. Brenzel

**307 (2) Mass Media As Educators****1**

How radical changes in the technology of communication have altered modes of learning and the acquisition of values. Learning about the world through books vs. learning from mass-circulation newspapers; learning verbally vs. learning from television pictures. An examination of the role of formal teachers and of those in charge of television programming with emphasis on the responsibility accruing to the latter in view of their power to influence what society comes to know and how it comes to know it. Prerequisite: Sociology 215 or by permission of the instructor.

Ms. Foster

**350 (1) (2) Research or Individual Study****1 or 2**

Open to juniors and seniors by permission.

**Directions for Election**

With the exception of Education 302 and 303 the department's courses are designed for all students and not simply those planning a career in public or private school teaching. For those students who do wish to be certified as secondary school teachers upon graduation, the following program will satisfy the requirements of the various state Departments of Education:

Required: 101, 300, 302, 303

Recommended: 200 or 212 or 216  
Psychology 212, 217, or 219

Students wishing certification as elementary school teachers should take 101, 200 and Psychology 207. Student teaching on the elementary level, however, may not be done through the department's program.

# English

Professor:

Corsa, Lever, Quinn, Layman (Chairman), Ferry, Garis, Spacks•, Craig, Gold•

Associate Professor:

Pinsky, Gertmenian•, Sabin•

Assistant Professor:

Cole,<sup>3</sup> Spillers, Beaton, Harman•<sup>2</sup>, Stehling

Instructor:

Peltason, Cain, Tyler, Van Dyke

Lecturer:

Eyges<sup>3</sup>, Stubbs<sup>3</sup>, Moss<sup>3</sup>, Bidart<sup>3</sup>

**100 (1) (2) Expository Writing****1**

Instruction in the fundamentals of writing expository essays.

Open to all students except those who have taken [109].

The Staff

**101 (1) (2) Critical Interpretation****1**

A course designed to increase power and skill in the critical interpretation of literature, by the detailed reading of poems, mostly short, as individual works of art and in historical context. A sequence of poems drawn from the Renaissance to the Modernist period.

Open to all students except those who have taken [209].

Mr. Ferry, Miss Craig, Mr. Pinsky, Mr. Beaton, Ms. Harman, Mr. Peltason, Mr. Cain, Ms. Van Dyke

**108 (2) Interpretations of Man in Western Literature****1**

For description and prerequisite see Extradepartmental 108.



**112 (1) (2) Shakespeare****1**

The study of a number of representative plays with emphasis on their dramatic and poetic aspects.

Open to all students except those who have taken [215].

Mr. Peltason, Mr. Cain, Mr. Tyler, Ms. Van Dyke

**127 (1) (2) Modern Drama****1**

The study of British, American, and European drama from Ibsen to the present.

Open to all students except those who have taken [212].

Mr. Garis, Mr. Beaton, Mr. Stehling

**150 (1) (2) Colloquia****1**

For directions for applying see p. 46.

Open by permission to a limited number of freshman and sophomore applicants.

**(1)**

Love literature

A study of how love has defined itself in important texts from ancient to modern times. Emphasis on how love fits into moral and social contexts, which aspects of love can be represented in literature, and what inferences can be drawn about different cultures by examining the love literature they produce.

Mr. Stehling

**(2)**

Literary Boston

Nineteenth century Boston in the immediate and retrospective views of American writers: John and Henry Adams, Emerson, Hawthorne, Howells, James, Robert Lowell.

Mrs. Cole

**201 (1) (2) The Critical Essay****1**

The writing and revising of critical essays about poetry, fiction, or drama, in conjunction with readings in important criticism, past and present. Open to all students.

Miss Craig, Mr. Peltason, Mr. Bidart

**202 (1) (2) Poetry****1**

The writing of short lyrics and the study of the art and craft of poetry.

Open to all students by permission of the instructor.

Mr. Pinsky, Mr. Bidart

**203 (1) (2) Short Narrative****1**

The writing of sketches and the short story. For interested students, experience in the writing of one-act plays.

Prerequisite: same as for 202. Not open to students who have taken [200].

Mrs. Eyges, Ms. Moss

**211 (1)\* Medieval Literature****1**

Major works of medieval literature excluding those of Chaucer. A study of the medieval search for ways to represent human experience in imaginative literature, a search that led writers to the authority of dreams, to creating dramatic allegories, to recasting ancient stories into medieval forms, and to the song-like simplicity of medieval lyric poetry. Works will include, for example, *Piers Plowman*, cycle plays, and *Sir Gawain and the Green Knight*.

Open to all students.

Mr. Stehling

**213 (2) Chaucer****1**

Intensive study of *The Canterbury Tales*, supplemented by the short later poems as they reveal Chaucer's comic artistry, his relation to history and society of the late 14th century in England.

Open to all students except those who have taken [220].

Miss Corsa

**222 (2) Renaissance Literature****1**

Prose and poetry from More and the courtier poets of Henry VIII through Shakespeare's greatest 16th century predecessors, Sidney, Spenser, and Marlowe. A study of forms characteristic of the Renaissance, and of the changing climate of ideas.

Open to all students.

Mr. Layman

**227 (2) Milton****1**

A study of Milton's lyric, epic, and dramatic poetry and some prose, with emphasis upon their significance for 20th century readers.

Open to all students except those who have taken [217].

Miss Lever

**234 (1) Eighteenth Century Literature****1**

Study of the diversity in points of view and literary forms between 1660 and 1798, including poetry, plays, and prose by such writers as Dryden, Congreve, Pope, Johnson.

Open to all students except those who have taken both [310] and [311].

Mr. Ferry

**241 (1) Romantic Poetry****1**

Discussion of a selection of poems and some critical prose by Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

Open to all students except those who have taken both [230] and [231].

Mr. Ferry, Mr. Tyler

**245 (1) Victorian Literature****1**

Poetry, fiction, and social criticism by major Victorian writers, including Mill, Carlyle, Dickens, Tennyson, Browning, Ruskin, and Arnold. Some emphasis will be placed on recurring themes, such as the growing conflict between private values and public facts.

Open to all students except those who have taken [314].

Mr. Beaton

**251 (1) (2) Modern Poetry****1**

British and American poetry and poets, recent and contemporary.

Open to all students except those who have taken [210].

Miss Craig, Mr. Bidart

**261 (1) American Literature I****1**

A survey of American literature from its Puritan beginnings to *Moby-Dick*. Emphasis upon major figures. Open to all students except those who have taken [223].

Mr. Quinn, Mrs. Cole

**262 (2) American Literature II****1**

American writers from Whitman to World War I. Emphasis upon major figures.

Open to all students except those who have taken [224].

Mr. Quinn, Mrs. Cole

**263 (1) (2) American Literature III****1**

American writers from World War I to the present: prose and poetry.

Open to all students except those who have taken [225].

Mr. Quinn, Ms. Spillers

**264 (2) Black Literature in America****1**

Poetry and prose from slave narratives to the present day with emphasis upon modern major figures.

Open to all students except those who have taken [228].

Ms. Spillers

**271 (1) The History of the English Novel I****1**

The beginnings of the English novel in the 18th century: Defoe through Jane Austen.

Open to all students except those who have taken [238].

Miss Corsa, Mr. Tyler

**272 (2) The History of the English Novel II****1**

The 19th century English novel from the Brontës to James.

Open to all students except those who have taken [239].

Miss Corsa, Mr. Garis, Mr. Peltason, Mr. Tyler

**273 (1) (2) The History of the English Novel III****1**

The 20th century novel from Conrad to the present. Open to all students except those who have taken [240].

Mr. Garis, Mr. Cain, Ms. Van Dyke

**281 (1)\* Comedy****1**

The development, variety, and continuity of English comic writing.

Open to all students except those who have taken [232].

Not offered in 1978-79.

**282 (1)\* Tragedy****1**

Tragic drama in the age of Shakespeare—its diversity and relation to other traditions. Open to all students except those who have taken [233].

Mr. Layman

**301 (1) The Short Story****1**

Techniques of short story writing together with practice in critical evaluation of student work. Open by permission of the instructor to students who have taken one Grade II writing course.

Ms. Moss

**302 (2) Fiction****1**

Intensive practice in the writing of prose fiction, the short story, or novella, according to the interest of the individual student.

Prerequisite: same as for 301.

Mr. Bidart

**313 (2)\* Advanced Studies in Chaucer****1**

A reading of the early poems, "The Book of the Duchess," "The House of Fame," "The Parliament of Fowls," "Anelida and Arcite," "The Legend of Good Women," as they lead to an intensive study of Chaucer's one tragedy, *Troilus and Criseyde*. Supplemented by shorter, minor poems that reveal his interest in the history and society of the late 14th century.

Open to juniors and seniors who have taken two literature courses in the department, at least one of which must be Grade II, and by permission of the instructor to other qualified students.

Not offered in 1978-79.

**323 (1) Advanced Studies in Shakespeare I****1**

Plays written between 1591 and 1604, such as *Richard II*, *Henry IV*, *Much Ado about Nothing*, *Troilus and Cressida*, *Hamlet*, *Measure for Measure*, *Othello*.

Prerequisite: same as for 313. Not open to students who have taken [305].

Mr. Layman, Mr. Garis

**324 (1) (2) Advanced Studies in Shakespeare II****1**

Plays written between 1605 and 1611, such as *King Lear*, *Macbeth*, *Antony and Cleopatra*, *Coriolanus*, *Cymbeline*, *The Winter's Tale*, *The Tempest*.

Prerequisite: same as for 313. Not open to students who have taken [306].

Mr. Ferry, Miss Craig, Mr. Pinsky

**327 (1) Seventeenth Century Poetry****1**

Close study of themes and techniques as they develop in major poems of the period between Sidney and Marvell, concentrating on Jonson, Donne, Herbert, and Marvell. Particular attention to love and devotional poetry.

Prerequisite: same as for 313. Not open to students who have taken [316].

Ms. Harman

**331 (2)\* The Age of Satire****1**

A study of satire as social response and as literary phenomenon, exemplified in the work of such writers as Dryden, Congreve, Gay, Swift, and Pope.

Prerequisite: same as for 313. Not open to students who have taken [310].

Mr. Pinsky

**333 (2)\* From Neoclassic to Romantic****1**

The shift of sensibility from the 18th to the 19th century studied with emphasis on such authors as Johnson, Burke, and Blake.

Prerequisite: same as for 313. Not open to students who have taken [311].

Not offered in 1978-79.

**341 (2) Advanced Studies in the Romantic Period****1**

Topic for 1978-79: The poetry of Wordsworth and Keats.

Prerequisite: same as for 313.

Mr. Ferry

**345 (2) Advanced Studies in Victorian and Early Modern Literature****1**

Topic for 1978-79: Autobiography and sensibility—Wordsworth, Mill, Dickens, Ruskin, Newman, and Joyce.

Prerequisite: same as for 313.

Mr. Beaton

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission to juniors and seniors who have taken or are taking two Grade II literature courses in the department.

**351 (2) Advanced Studies in Modern Poetry**  
**1**

Topic for 1978-79: Contemporary poetry and the modernist background. Recent poetry considered in the light of the achievement of such modernist predecessors as Stevens, Frost, and Williams.

Prerequisite: same as for 313. Not open to students who have taken [319].

Mr. Pinsky

**363 (1) Advanced Studies in American Literature**  
**1**

Topic for 1978-79: Symbolism in American literature. A study of some major 19th and 20th century texts in the American symbolist tradition.

Prerequisite: same as for 313. Not open to students who have taken [317].

Mr. Quinn

**370 (1-2) Thesis**  
**2 to 4**

Open only to honors candidates who choose to do honors research or an honors project in creative writing. For alternate honors programs see Directions for Election.

**372 (1) Advanced Studies in the Novel**  
**1 or 2**

Topic for 1978-79: 20th century comedy—Joyce's *Ulysses*, Evelyn Waugh, and Anthony Powell.

Prerequisite: same as for 313. Not open to students who have taken [318].

Mr. Garis

**381 (1) The English Language**  
**1**

Historical linguistics: major characteristics of the English language today studied as the products of their origin and history. Emphasis on speech, dictionaries, semantics and etymology, and translation.

Open to juniors and seniors who have taken or are taking two Grade II literature courses in the department, or a course in linguistics, or by permission of the instructor to other qualified students. Not open to students who have taken [312].

Miss Lever

**382 (1) Criticism**  
**1**

Critical theory suggests a method of reading the history of ideas in Western thought. With constant reference to the traditional texts of criticism, the course will begin and end with an examination of structuralist propositions in order to determine how the project of criticism has arrived at its present status.

Prerequisite: same as for 313. Not open to students who have taken [307].

Ms. Spillers

**386 (1) Seminar**  
**1**

Topic for 1978-79: Confessionalism in modern poetry. A critical study of confession in modern poetry, either veiled or explicit, with concentration on Yeats, Eliot, Lowell, Berryman, Plath, Sexton, and Bidart.

Prerequisite: same as for 313.

Miss Craig

**387 (2) Seminar**  
**1**

Topic for 1978-79: Jane Austen—a search for the sources of her art. Intensive reading of all the novels (completed and unfinished), the *Juvenilia*, the *Letters*. A study of the several biographies. Reading of some of the figures she acknowledged as influences (Fanny Burney, Maria Edgeworth, Cowper, Crabbe, Dr. Johnson, and the Gothic novelists). A look at some theories of creativity (mostly modern).

Prerequisite: same as for 313.

Miss Corsa

## Directions for Election

Grade I literature courses are open to all students. These courses assume no previous college experience in literary study, and provide good introductions to that study because of their subject matter or focus on training in skills of critical reading and writing. Freshmen are advised to take one Grade I course before enrolling in Grade II courses. All of the latter assume some competence in critical reading and writing. They treat major writers and historical periods in English and American literature, and provide training in making comparisons and connections between different works, writers, and ideas. Grade III courses encourage students and teachers to pursue their special interests. These courses assume greater competence in critical reading and writing and some previous experience in the study of major writers, periods, and ideas in English or American literature. They are open to juniors and seniors who have taken two literature courses in the department, at least one of which must be Grade II, and by permission of the instructor to other qualified students. For admission to seminars and for independent work (350), students of at least B standing in the work of the department will have first consideration. Students are encouraged to consult with the instructors of courses they are interested in, and with members of the department generally. More complete descriptions of all courses, composed by their instructors, are posted on bulletin boards in Founders Hall, and are available from the department secretary.

The English major consists of a minimum of eight courses in the department. Six of these must be in literature, including two Grade III and not more than two Grade I courses. (Expository Writing may not be counted toward the major.) Students majoring in English must take Critical Interpretation, ordinarily in the freshman year. This course offers fundamental and rigorous practice in methods of interpretation of a literary text. All majors must also take at least one course in Shakespeare, ordinarily Advanced Studies in Shakespeare I or II. Majors should work closely with their advisors in arranging a program of study with these objectives: (a) ability to interpret a text; (b) an understanding of some major works, authors, and periods that comprise the history of English and American literature; (c) a developing interest in some special field of study, such as the English Renaissance, drama, criticism, modernism.

The department offers a choice of three programs for Honors. Under Program I (English 370, ordinarily carrying two units of credit), the honors candidate does independent research or

a project in creative writing. Programs II and III offer an opportunity to receive Honors on the basis of work done for regular courses; these programs carry no additional course credit. The candidate who elects Program II takes a written examination in a field defined by several related courses she has taken (e.g., the Renaissance, drama, criticism). The candidate who elects Program III presents a dossier of essays written for several courses with a statement of connections between them and critical questions raised by them. An oral examination is required in all Honors programs.

Special attention is called to the range of courses in writing the College offers. Expository Writing is open to all students who want to improve their skills in writing expository essays. Extradepartmental 100 is open, with permission of a class dean, to students who would benefit from a continuation of Expository Writing, or from an individual tutorial. The Critical Essay, primarily for English majors, offers intensive instruction in the writing of critical essays about literature. Courses in the writing of poetry and fiction (Grades II and III) are planned as workshops in writing with small group meetings and frequent individual conferences. While the emphasis is on constant practice in writing, each course requires a critical reading of pertinent examples of the type of writing being studied. In addition, qualified students may apply for one or two units of Independent Study (350) in writing. All courses in writing, and all 350 writing projects as well, are taken credit/noncredit/credit-with-distinction. In general, enrollment in writing courses is limited to 15.

Knowledge of English and American history, of the course of European thought, of theatre studies, and of at least one foreign literature at an advanced level is of great value to the student of English. See, for example, History 237, 239, 240, 252, 301; Philosophy 203, 204; Grade II and Grade III courses in foreign literatures; Extradepartmental 104, 108, 201, 202, 211, 220, 231, 247, 330, 331, 335; and courses in theatre studies.

A reading knowledge of at least one ancient or modern foreign language is desirable for all majors. Students expecting to do graduate work in English should ordinarily plan to acquire a reading knowledge of two foreign languages.

For students interested in American literature, in American studies, in modern drama, and in modern poetry, attention is called to relevant courses in the Department of Black Studies, especially 105, 150, 207, 208, 209, 210, 211, and 310.

# French

Professor:

Galand•, François, McCulloch•

Associate Professor:

Stambolian, Mistacco (Chairman)

Assistant Professor:

Lydgate•, Gillain•, Carlson, Hules, Grimaud,  
Baier, Piore, Levitt, Mathé

Instructor:

Respaut-Greenlaw, Straus, Frye<sup>3</sup>

All courses (except 220 and 349) are conducted in French. Oral expression, composition, and, in certain courses, creative writing are stressed.

The department reserves the right to place new students in the courses for which they seem best prepared regardless of the number of units they have offered for admission.

In 1978-79 the following courses will be taught as joint offerings at MIT: 305, 321.

Qualified students are encouraged to spend the junior year in France. See p. 42.

## 101-102 (1-2) Beginning French

2

Intensive oral training and practice in listening, speaking, and reading, supplemented by weekly laboratory assignments. A slide presentation of the text introduces each week's cultural and linguistic material. The French comic book *Astérix* will be used as a supplement during the second semester. Three periods. (Formerly 100)

Open only to students who do not present French for admission.

Mr. Grimaud and Staff

## 111 (1) Elementary Intermediate French

1

Intensive oral training and practice in listening comprehension and writing. Thorough grammar review. Vocabulary building. Three periods. (Formerly 101)

Open to students by permission of the department only. To fulfill the language requirement students completing 111 must proceed to 122.

The Staff

## 121-122 (1-2) Intermediate French

2

First semester: Particular stress on grammar review, listening comprehension, vocabulary building and development of oral skills. Second semester: Choice of different sections emphasizing either the reading of modern texts with discussion and written work or further development of conversational skills through regular laboratory work using primarily nonliterary materials. Three periods. (Formerly 102)  
Prerequisite: 102 (2) or one or two admission units (one or two years) in French.

Ms. Hules and Staff

## 141-142 (1-2) The Language and Culture of Modern France

2

Discussion of selected modern texts, both literary and cultural. Grammar review. Study of vocabulary and pronunciation. Frequent written and oral practice. Three periods. (Formerly 104)  
Prerequisite: 122 or three admission units (three years) in French.

Mrs. Baier and Staff

## 201 (1), 202 (2) French Literature and Culture Through the Centuries

1 or 2

First semester: From the Middle Ages through Classicism. Second semester: From the Enlightenment through Existentialism. Class discussion of selected masterpieces, short papers, outside reading, slides. Each semester may be taken independently.

Prerequisite: 142 or four admission units (four years) in French (or CEEB score of 610); by permission of the instructor, 122.

Mr. François, Mr. Carlson, Mrs. Piore

## 203 (1) Approaches to Literary Analysis: Fiction, Theatre, Poetry

1

Texts from various periods will serve as a basis for writing short analytical papers and presenting oral reports.

Prerequisite: same as for 201.

Mr. Grimaud

## 205 (1) (2) French Society Today

1

Contemporary problems and attitudes. Class discussion of representative texts, periodicals, and newspapers. Oral reports, short papers, outside reading.

Prerequisite: same as for 201.

Ms. Mathé

**206 (1) (2) Intermediate Spoken French****1**

Practice in conversation, using a variety of materials including films, video tapes, periodicals, songs, radio sketches, and interviews. Regular use of language laboratory. Enrollment limited to 15. Not open to freshmen. Prerequisite: same as for 201.

Mrs. Respaut-Greenlaw, Ms. Mathé, Mr. Straus

**212 (1) Medieval French Literature I****1**

The knight, the lover, and the outlaw: from the *Chanson de Roland* through Villon. Medieval texts read in modern French.

Prerequisite: one unit of 201, 202, 203, 205, or 206; by permission of the instructor, 142. Open to freshmen with four or more admission units (four or more years) in French (or CEEB score of 650).

Not offered in 1978-79.

Miss McCulloch

Offered in 1979-80.

**213 (1) (2) French Drama in the Twentieth Century****1**

Trends in contemporary drama: symbolism, the use of myths, the influence of existentialism, the theatre of the absurd.

Prerequisite: same as for 212.

Mr. Stambolian, Mr. Straus

**214 (1) (2) The French Novel in the Nineteenth Century****1**

Intensive study of narrative techniques and the representation of reality in major works by Balzac, Stendhal, Flaubert, Zola.

Prerequisite: same as for 212.

Mrs. Baier, Mr. Carlson

**215 (2) Baudelaire and Symbolist Poets****1**

The nature of the poetic experience studied in the works of Baudelaire, Verlaine, Rimbaud, and Mallarmé.

Prerequisite: same as for 212.

Mrs. Respaut-Greenlaw

**216 (2) The French "New Novel"****1**

Recent experiments in fiction: textual play vs. expression, communication, representation. Some discussion of film. Emphasis on the works and theoretical writings of Sarraute, Butor, Robbe-Grillet, Simon, and Beckett.

Prerequisite: same as for 212.

Not offered in 1978-79.

Ms. Mistacco

Offered in 1979-80.

**220 (1) The Modern French Novel (in English)****1**

Psychology and aesthetics in works by Flaubert, Gide, Sartre, Beckett, and Robbe-Grillet, with emphasis on Proust's *Remembrance of Things Past*. Lectures, papers, and class discussion in English. Students may read the texts in French or in English translation.

Open to all students except those who have taken two or more Grade II courses in French literature.

Mr. Stambolian

**222 (1) (2) Studies in Language****1**

A review of selected problems in French grammar, enrichment of vocabulary, and an introduction to specifically French techniques of composition and the organization of ideas. Not open to freshmen in the first semester.

Prerequisite: 142, or 122 by permission of the instructor.

Mr. Carlson, Mrs. Hules, Ms. Mathé

**226 (1) (2) Advanced Spoken French****1**

Practice in oral expression to improve fluency and pronunciation with special attention to idiomatic vocabulary and phonetics. In addition to recordings, video tapes, and periodicals, classics of the French cinema will be studied for their linguistic interest. Regular use of language laboratory. Enrollment limited to 15. Not open to freshmen. Not recommended for students who have already studied in France.

Prerequisite: one Grade II unit except 206, or by permission of the instructor.

Mrs. Respaut-Greenlaw

**240 (2) Contemporary French Cinema****1**

The evolution of French cinema in the past 20 years. The course will start with a representative film of the classical period (Renoir), then will deal at length with works by the directors associated with "La Nouvelle Vogue" in the 1960's and some of their more recent productions: Godard, Truffaut, Rohmer, Rivette, Resnais. Enrollment limited to 20.  
Prerequisite: one Grade II unit of French literature.

Not offered in 1978-79.

Ms. Gillain

Offered in 1979-80.

**249 (1) (2) Selected Topics****1 or 2**

Not offered in 1978-79.

**300 (2) French Literature of the Renaissance****1**

Laughter, love, and the self: authors include Rabelais, the Pléiade poets, and Montaigne. Slides and discussions of French culture in the Renaissance.

Prerequisite: two units of 201, 202, or 203, or one unit of 212, 213, 214, 215, or 216.

Not offered in 1978-79.

Miss McCulloch

Offered in 1979-80.

**301 (1) French Literature in the Seventeenth Century I****1**

Richelieu; Corneille and the birth of the classical theatre; the Baroque; *L'Astrée* and préciosité; Montaigne's descendants: the erudite Libertines; the great debate: Descartes, Pascal.  
Prerequisite: same as for 300.

Mr. François

**302 (2) French Literature in the Seventeenth Century II****1**

Louis XIV and High Classicism. The theatre: Molière, Racine; the novel: Lafayette; the fable: La Fontaine; from Classicism to the Age of Enlightenment: La Bruyère.

Prerequisite: same as for 300.

Mr. François

**304 (2) The French Novel in the Eighteenth Century****1**

The affirmation of self and the development of narrative forms. Authors studied: Prévost, Marivaux, Rousseau, Diderot, Laclos, Sade.

Prerequisite: same as for 300.

Ms. Mistacco

**305 (1) Studies in Romanticism****1**

Inclusive study of French literature from 1800 to 1860, with emphasis on the poetry of Hugo, Vigny, Musset, Lamartine, Nerval, and Gautier, the novels of Stendhal and Balzac, and the Romantic theatre. Also, examination of the allied arts of music and painting. Taught at MIT.

Prerequisite: same as for 300.

Mr. Jones (MIT)

**306 (1) French Literature in the Twentieth Century I****1**

From Symbolism to Surrealism: the literary experience in works of Valéry, Proust, Gide, Apollinaire, Saint-John Perse, Breton.

Prerequisite: same as for 300.

Not offered in 1978-79.

Mr. Galand

Offered in 1979-80.

**307 (2) French Literature in the Twentieth Century II****1**

Existentialism and after: the function of literature in works of Malraux, Sartre, Camus, Char, Ponge, Robbe-Grillet.

Prerequisite: same as for 300.

Not offered in 1978-79.

Mr. Galand

Offered in 1979-80.

**308 (1) Advanced Studies in Language I****1**

Comparative stylistics: a normative approach through linguistic analysis to the processes and patterns of translation. Theories are tested and applied.

Prerequisite or corequisite: one Grade III unit of French literature and 222, or their equivalents.

Mr. François



**309 (2) Advanced Studies in Language II****1**

Translation into French from novels, essays, and poetry. Study of French style through analysis of selected texts.

Prerequisite: same as for 308.

Mr. François

**312 (1) Medieval French Literature II****1**

See 212. Joint class meetings for 212 and 312. Supplementary assignments and readings in Old French for students at Grade III level.

Open by permission of the instructor.

Not offered in 1978-79.

Miss McCulloch

Offered in 1979-80.

**316 (1) The Reader in Modern French Fiction****1**

Modes of communication and the evolution of conventions of reading in selected novels from the early 20th century to the Nouveau Nouveau Roman, with emphasis on recent experimental narratives. Authors include: Gide, Mauriac, Ollier, Duras, Pinget, Simon, Robbe-Grillet.

Prerequisite: same as for 300.

Ms. Mistacco

**319 (1) Women and Literary Expression****1**

Topic for 1978-79: Modern French women writers and the quest for transcendence. Beauvoir, Duras, Rochefort, Wittig and others, with emphasis on the creation of "feminine" myths and the search for a new language.

Prerequisite: one Grade III unit of French literature.

Mrs. Hules

**321 (2) Seminar****1**

Topic for 1978-79: A comparative study of the works of Proust and Beckett, with emphasis on the structures of time and space and their relation to the problematics of reading, writing, and desire. Texts: selected volumes of *A la recherche du temps perdu*, Beckett's major plays and trilogy (*Molloy*, *Malone meurt*, *L'Innommable*). Weekly meetings of the seminar will alternate between Wellesley and MIT.

Prerequisite: same as for 319.

Mr. Stambolian

**349 (2) Studies in Culture and Criticism (in English)****1**

Topic for 1978-79: Psychology, poetics, pleasure. Literature and its enjoyment can be understood in new ways because of advances in cognitive psychology (how we think, remember, read) and psychoanalytic theory (how and why we fantasize). By combining this knowledge with the Structuralist (and semiotic) studies of Jakobson, Lévi-Strauss, and others, the course will show the importance of the human sciences for the progress of literary criticism and poetics. Open by permission of the instructor to juniors and seniors from all departments.

Mr. Grimaud

**350 (1) (2) Research or Individual Study****1 or 2**

Prerequisite: same as for 319.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Directions for Election**

Course 101-102 is counted toward the degree but not toward the major. Students who begin with 101-102 in college and who plan to major in French should consult the chairman of the department during the second semester of their freshman year. Course 141-142 may not be elected by students who have taken both 101-102 and 121-122. A student may not count toward the major 220, both 121-122 and 141-142, both 206 and 226. Course 349 may be counted toward the major but not toward the minimum major.

Students who achieve a final grade of A or A- for the first semester of a 100 level course may, on the recommendation of their instructor, accelerate their study of French in the following manner: from 101 to 122, from 121 to 142, from 141 to a lower 200 level course.

Majors are required to take two of the following courses: 222, 308, 309. In some cases 226 may also be required.

Courses in other foreign language and literature departments, in art, history (especially 242 and 243), philosophy, English, Extradepartmental 237,

330 and 331, and Religion and Biblical Studies 104 and 105 are recommended for majors.

Students who plan to do graduate work in French are advised to begin or to pursue the study of a second modern language and the study of Latin; those who plan to do graduate work in comparative literature are advised to continue the study of one or more other modern literatures and to acquire proficiency in at least one classical language.

# Geology

Associate Professor:  
Andrews

Assistant Professor:  
Besancon (Chairman), Lundeen, Giffin<sup>3</sup>

## **102 (1) (2) Introduction to Geology**

**1**

An introduction to the basic features of the solid earth and the processes that continue to modify it. Emphasis on the development and impact of the continental drift and plate tectonics theories. Laboratory and field trips include study of minerals, rocks, topographic and geologic maps.

Open to all students.

Mr. Besancon, Mrs. Lundeen

## **200 (2) Historical Geology**

**1**

The geologic history of North America and the evolution of life as revealed in the fossil record. Interpretation of paleogeography and ancient sedimentary and tectonic environments. Laboratory and field trips.

Prerequisite: 102 or permission of the instructor.

Mrs. Giffin

## **202 (1) Mineralogy**

**1**

Introduction to crystallography; systematic study of the rock-forming minerals. Emphasis on geochemical relationships including bonding, solid solution series, and mineral structure. Laboratory.

Prerequisite: 102 and another unit of physical science, preferably chemistry, or permission of the instructor.

Mr. Besancon

**205 (1)\* Invertebrate Paleontology****1**

The morphology and evolution of the major fossil invertebrate phyla with discussion of such general topics as functional morphology, origin of species and higher taxa, ontogeny and phylogeny, and animal size and shape relationships. Laboratory.

Prerequisite: 102 and 200, or one unit in biology, or permission of the instructor.

Mrs. Giffin

Not offered in 1979-80.

**206 (1)\* Structural Geology****1**

Introduction to geometry and origin of rock structure ranging from micro-textures and rock fabrics to large-scale fold belts. Other topics to include review of geophysical foundations of plate theory and its applicability to problems of continental tectonics. Laboratory and field trips. Prerequisite: 102 or permission of the instructor.

Mrs. Lundeen

Not offered in 1979-80.

**208 (1)\* Marine Geology****1**

Geology of the ocean floor with emphasis on ocean basin tectonics and submarine processes. Topics include ocean currents and sediments, development of continental margins, submarine canyons, structural framework and evolution of the ocean floors, coral reefs, and deep sea life. No laboratory.

Prerequisite: 102 or permission of the instructor.

Not offered in 1978-79.

Mrs. Lundeen

Offered in 1979-80.

**304 (2)\* Stratigraphy and Sedimentation****1**

Study of the formation, composition, and correlation of stratified rocks. Emphasis on sedimentary environments, transportation of sedimentary particles, sediment diagenesis, and sedimentary petrography. Laboratory and field trips.

Prerequisite: 102 and 200, or permission of the instructor.

Not offered in 1978-79.

Mrs. Lundeen

Offered in 1979-80.

**306 (2)\* Rock Mechanics****1**

Physical analysis of rock deformation. Topics to include theories of stress and strain, models of rock deformation, results from experimental deformation, and applications to natural examples of folding and faulting. No laboratory.

Prerequisite: 206.

Mrs. Lundeen

Not offered in 1979-80.

**307 (1)\* Optical and X-Ray Mineralogy****1**

Theory of optical crystallography, with applications to the analysis of minerals in thin section. Study of the interaction of x-rays with crystals, including diffraction and elements of crystal structure determination. Laboratory.

Prerequisite: 202 or Physics 202, or permission of the instructor.

Not offered in 1978-79.

Mr. Besancon

Offered in 1979-80.

**309 (2) Petrology****1**

Study of the origin and occurrence of igneous and metamorphic rocks with particular reference to modern geochemical investigations. Examination and description of hand specimens and thin sections using the petrographic microscope. Laboratory.

Prerequisite: 202.

Mr. Besancon

**310 (1)\* Geometrics****1**

Statistical analysis of geologic data utilizing univariate, bivariate, and multivariate techniques. Development and application of FORTRAN computer programs for the solution of geologic problems. Laboratory includes field mapping and scientific photography.

Prerequisite: 102 and one Grade II unit, or permission of the instructor.

Not offered in 1978-79.

Mr. Andrews

Offered in 1979-80.

**349 (2) Seminar****1**

Topic for 1978-79: To be announced.

Mrs. Giffin

**350 (1) (2) Research or Individual Study  
1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis  
2 to 4**

Open only to honors candidates.

**Directions for Election**

In addition to eight units in geology, normally to include 205, 206, 304, and 309, the minimum major requires four units from other laboratory sciences, mathematics, or computer science. All four units may not be taken in the same department. A student planning graduate work should note that most graduate geology departments normally require two units each of chemistry, physics, and mathematics. Biology often may be substituted if the student is interested in paleontology.

The department recommends that students majoring in geology attend one of the Rocky Mountain geology field courses given by other colleges. Credit may be given for such courses provided the student's plans are approved in advance by the department.

# German

Professor:

Goth•<sup>1</sup>

Assistant Professor:

Ward (Chairman), Prather, Hansen

Visiting Professor:

Wieser

The language of the classroom in all courses is almost exclusively German. The student thus has constant practice in hearing, speaking, and writing German.

The department reserves the right to place a new student in the course for which she seems best prepared regardless of the number of units she has offered for admission.

By doing special reading during the summer and upon approval of the chairman, capable students in 100 have the opportunity to omit 102 and proceed with 202.

Qualified students may be recommended to spend the junior year in Germany. See p. 42.

**100 (1-2) Elementary German  
2**

Study of grammar and vocabulary; frequent written exercises; reading of short stories; special emphasis on oral expression. Four periods.

Open to students who do not present German for admission.

The Staff

**102 (1-2) Intermediate German  
2**

Intensive language study: emphasis on idiomatic usage and on syntax. Introduction to the critical study of literary texts, mainly 19th and 20th centuries. Three periods.

Prerequisite: 100 or two admission units in German.

The Staff

### 104 (1-2) Studies in Language and Literature 2

Training in analysis of fiction and drama. Grammar review. Vocabulary building. Written and oral practice. Three periods.  
Prerequisite: two admission units in German and placement test or, by permission of the department, 100. Permission will be based on a high grade in 100.

Mrs. Wieser, Ms. Goth

### 202 (1-2) Introduction to German Literature 1 or 2

Close study of representative works of the 18th, 19th, and 20th centuries. First semester: Drama. Second semester: Prose. Frequent exercises in expository writing and stylistics. One unit of credit may be given for the first semester. Three periods.  
Prerequisite: three or more admission units in German, or 102, or 104, or, by permission of the department, 100. Permission will be based on a high grade in 100 and summer work.

Mrs. Wieser, Ms. Goth, Ms. Ward

### 204 (1) Goethe 1

Lyric, drama, and prose with emphasis on *Werther* and *Faust I*.  
Prerequisite: 202 (1-2).

Not offered in 1978-79.

Ms. Goth

Offered in 1979-80.

### 205 (1) Studies in Romanticism 1

Romantic thought, discovery of the unconscious: Friedrich Schlegel, Brentano, Novalis, E. T. A. Hoffman, Eichendorff, and others.  
Prerequisite: same as for 204.

Ms. Ward

### 206 (2) Nineteenth Century Literature: The Novelle 1

Late Romanticism and Realism with special emphasis on the development of the *Novelle* as a genre. Mörike, Stifter, Keller, C. F. Meyer, Droste-Hülshoff, Storm, and Fontane.  
Prerequisite: same as for 204.

Not offered in 1978-79.

Ms. Ward

### 207 (2) Twentieth Century Literature: Prose Fiction 1

A study of modern narrative techniques: Rilke, Musil, Broch, Grass, Böll, Bachmann, and Handke.

Prerequisite: two Grade II units or by permission of the instructor.

Not offered in 1978-79.

### 208 (2) Literature Since 1945: Literary Trends in the Two Germanies 1

Discussion of literature in the Federal Republic of Germany and the Democratic Republic of Germany. An analysis of contrasts, taking works from each genre by representative writers (Grass, Böll, Christa Wolf, Biermann, and others), and considering them within a political/historical context. Attention will also be given to recent trends in literary criticism.  
Prerequisite: one Grade II unit.

Ms. Ward

### 210 (1) German Drama 1

Theory and practice from the Middle Ages to the present. The theories of Gottsched, Lessing, Schiller, and Brecht will be included as well as dramas by Büchner, Hebbel, Kaiser and others.  
Prerequisite: one Grade II unit.

Not offered in 1978-79.

### 230 (1) Advanced German Language Skills 1

A review of difficult points of grammar, syntax and style, with intensive practice in composition, translation, and oral skills. Required for all German majors whose native language is not German. Two periods.  
Prerequisite: one Grade II unit.

Mr. Hansen

### 304 (2) Goethe II 1

Goethe, the poet and the thinker, with emphasis on *Faust*, and his writings after 1788.  
Prerequisite: 204.

Not offered in 1978-79.

Ms. Goth

Offered in 1979-80.

**305 (2) Reading in Eighteenth Century Literature**  
**1**

Emphasis on writers of the Enlightenment and the Storm and Stress movement: Gottsched, Lessing, Herder, Bürger, Goethe, Schiller.  
Prerequisite: two Grade II units or by permission of the instructor.

Mrs. Prather

**310 (1) Studies in Poetry**  
**1**

Study of themes, techniques and historical background. The development of German poetry from the Baroque to modern times, with emphasis on poets such as Gryphius, Goethe, the Romantics, Keller, C. F. Meyer, and some modern writers.

Prerequisite: two Grade II units.

Mrs. Wieser

**349 (2) Seminar. The Writer and His Age**  
**1**

Intensive study of the works of one or two writers in relation to philosophical, historical, and literary trends of their period. Topic for 1978-79: Rainer Maria Rilke.

Prerequisite: one Grade III unit or by permission of the instructor.

Ms. Goth

**350 (1) (2) Research or Individual Study**  
**1 or 2**

Open by permission to juniors and seniors.

**370 (1) (2) Thesis**  
**2 to 4**

Open only to honors candidates.

**Directions for Election**

Course 100 is counted toward the degree but not toward the major.

Students who begin with 100 and who wish to major in German should consult the department in order to obtain permission to omit 102 or 104 and take 202.

Students intending to major in the department are required to take 202 (1-2); either the sequence 204-304 or the combination 205, 305 offered in alternate years; 230, and at least one seminar.

It is strongly recommended that the major include a distribution by approach; that is, at least one period, one genre and one single-author course, and that there be three Grade III units.

Courses in art, music, philosophy, English, literature courses in other foreign language departments, History 244 and the comparative literature seminar, Extradepartmental 330, are recommended.

# Greek and Latin

Professor:  
Lefkowitz, Geffcken (Chairman)

Associate Professor:  
Marvin, Muellner<sup>3</sup>

Assistant Professor:  
Fant, Engels

Instructor:  
Cole

Courses on the original languages are conducted in English and encourage close analysis of the ancient texts, with emphasis on their literary and historical values.

The departments reserve the right to place a new student in the course for which she seems best prepared regardless of the number of units she has offered for admission.

## Greek

### 102 (1) Beginning Greek

1

Fundamentals of the Greek language. Reading from classical authors and from the New Testament. Four periods.  
Open to students who do not present Greek for admission.

Miss Marvin

### 103 (2) Intermediate Greek

1

Reading from classical authors and from the New Testament. Intensive review of grammar and syntax.  
Prerequisite: 102.

Miss Cole

### 104 (1) Classical Mythology

1

The more important classical myths read in English translations of Greek and Latin authors; their religious origins; their expression in ancient literature and art; their later influence.  
Open to all students.

Mr. Muellner

### 150 (2) Colloquium

1

For title and description see History 150 (2) g.

### 201 (1) Plato

1

*Apology*, *Crito*, and selections from the *Phaedo*. The character of Socrates and his position in development of Greek thought. Three periods.  
Prerequisite: 102 and 103, or two admission units in Greek or exemption examination.

Miss Cole

### 203 (2) Greek Drama in Translation

1

Intensive study of tragedies of Aeschylus, Sophocles, and Euripides, in English translation. The survival in literary form of primitive ritual; the development of new mythic patterns on ancient models. The role of contemporary psychoanalytic theory in evaluating the social function and structure of drama.  
Open to all students.

Mrs. Lefkowitz

### 205 (2) Homer's *Iliad*

1

Study of selected books in Greek with emphasis on the oral style of early epic; reading of the rest of the poem in translation; the archaeological background of the period. Three periods.  
Prerequisite: 201.

Miss Marvin

### 207 (2) New Testament Greek

1

For description and prerequisite see Religion 207.

### 230 (1)\* History of Greece

1

For description and prerequisite see History 230.

### 243 (1) Ancient Law

1

For description and prerequisite see Extradepartmental 243.

### 246 (2) Ancient Medicine

1

For description and prerequisite see Extradepartmental 246.

**302 (2)\* Aeschylus and Sophocles****1**

Drama as expression of man's conflict with forces beyond his control; the use of mythology to describe the conflict between human institutions and the natural world; innovations in language, metaphor, and metre. Reading of one drama by each author in Greek, others in English.

Prerequisite: 205.

Mrs. Lefkowitz

**303 (1)\* Myth and History in the Archaic Age****1**

Investigation of the narrative methods of recording significant past experience; the evaluation of the relationship of the past to events of the first half of the 5th century; the restrictions on perception imposed by style and structure in both prose and poetry. Reading in Greek from Herodotus and the lyric poets.

Prerequisite: 205.

Mr. Engels

**304 (2)\* Euripides****1**

Euripides' exposition of current problems in traditional narrative framework; his development of dramatic form; his exploration of human and political motivation. Reading of two or three plays in Greek, others in English.

Prerequisite: 205.

Not offered in 1978-79.

Offered in 1979-80.

**305 (1)\* Thucydides****1**

Contemporary impressions of the political conflicts confronting the state in the late 5th century B.C. Imperialism and the causes of the Peloponnesian War; the flaws in Athenian democracy and the influence of Sophistic argumentation. The attempt to formulate a scientific approach to history and the rejection of earlier models; the creation of a new prose style. Reading in Greek of selections from Thucydides.

Prerequisite: 205.

Not offered in 1978-79.

Mr. Engels

Offered in 1979-80.

**328 (2) Problems in Ancient History and Historiography****1**

The Ancient City. An examination of the origins, growth, and comparative social, economic, and political systems of cities in Mesopotamia, Greece, and the Mediterranean world. Among the topics to be studied are urban art and architecture, city planning, and the impact of disease and hygienic conditions on ancient urban populations. The interrelationships among regional marketing networks, transportation, communication, rents, social stratification, foreign ethnic residents, and residential and commercial land use patterns will also be analyzed.

Prerequisite: History 230 or 231.

Mr. Engels

**349 (2) Seminar****1**

Topic for 1978-79: Greek religion. Myths of the origin and nature of the gods; their expression in archaic poetry. Readings from Hesiod and the *Homeric Hymns*.

Prerequisite: 205.

Miss Cole

**350 (1) (2) Research or Individual Study****1 or 2**

Open to seniors by permission.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates who choose to do honors research. For alternate honors program see Directions for Election.

**Latin****100 (1) Beginning Latin****1**

Fundamentals of the Latin language. Readings from classical and medieval texts. Three periods. Open to students who do not present Latin for admission, or by permission of the instructor.

Mr. Fant, Miss Cole

**101 (2) Intermediate Latin****1**

Development of reading skills through intensive study of classical authors. Three periods.

Prerequisite: 100.

Mr. Fant



**102 (2) Intensive Review**

**1**

Survey of grammar and syntax; reading from classical Latin authors.  
Prerequisite: two admission units in Latin or permission of the instructor.

Mr. Fant

**104 (1) Classical Mythology**

**1**

For description and prerequisite see Greek 104.

**200 (2) Introduction to Vergil's Aeneid**

**1**

Study of the poem with selections from Books I-VI in Latin. Three periods.  
Prerequisite: 201, or three admission units in Latin not including Vergil, or exemption examination.

Miss Cole

**201 (1) Latin Comedy**

**1**

Study of selected plays of Plautus and Terence in the light of ancient and modern theories of the comic.  
Prerequisite: Latin 101, 102 or two admission units in Latin.

Miss Geffcken

**202 (1) Catullus and Cicero**

**1**

Love, politics, morality, and humor in the last years of the Republic. Study of the evolution of Latin poetic style and of the technique of destructive oratory.  
Prerequisite: four admission units in Latin or three including Vergil or 200.

Miss Cole

**203 (2) Horace**

**1**

The development of Horace's poetic style and social commentary. Reading from *Satires* and *Odes*.  
Prerequisite: same as for 202.

Mrs. Lefkowitz

**206 (2)\* Latin Prose Style**

**1**

A study of the development of Latin style with reading and analysis of selected texts; practice in writing Latin prose.  
Prerequisite: 202 or 203.

Not offered in 1978-79.

**207 (2) Medieval Latin**

**1**

The interaction of Christian values and classical modes of thought in literature from 374 to 1374 A.D. Selected readings from prose and poetry.  
Prerequisite: 200 or 201 or the equivalent, or permission of the instructor.

Mr. Stehling

**231 (1)\* History of Rome**

**1**

For description and prerequisite see History 231.

**246 (2) Ancient Medicine**

**1**

For description and prerequisite see Extra-departmental 246.

**300 (1) Selected Topics**

**1**

Topic for 1978-79: Vergil's *Eclogues* and *Georgics* and Ovid's *Ars Amatoria*. Vergil's re-creation of the Greek pastoral and his use of didactic and descriptive poetry as a means of examining man's relationship to nature and as political and social commentary. Ovid's parody of Vergilian didactic.

Prerequisite: 202 or 203.

Miss Geffcken

**302 (2) Vergil's Aeneid**

**1**

The artistic achievement of Vergil in the light of earlier literature, especially Homer and Ennius; Vergil's view of man and the destiny of Rome.  
Prerequisite: 202 or 203.

Miss Geffcken

**308 (1)\* The Struggle for Power in the Late Republic**

**1**

The events, life, and thought of the late Republic in the letters of Cicero and in the historical writings of Caesar and Sallust.  
Prerequisite: 202 or 203.

Not offered in 1978-79.

Offered in 1979-80.

**309 (2)\* Historical Tradition, Morality, and Immorality**

**1**

Livy's treatment of the war with Hannibal; the growth of the Senate's preeminence; the religious crisis.

Prerequisite: 202 or 203.

Not offered in 1978-79.

Offered in 1979-80.

**316 (1)\* The Effects of Power and Authority in the Empire**

**1**

The literature of disillusion both historical and satirical with emphasis on Tacitus and Juvenal. Prerequisite: 202 or 203.

Mr. Fant

**317 (2) Imperial Rome: The Novel**

**1**

The development of the ancient novel with emphasis on satirical techniques in Petronius and on religious and mythological themes in Apuleius.

Prerequisite: 202 or 203.

Miss Geffcken

**328 (2) Problems in Ancient History and Historiography**

**1**

For description and prerequisite see Greek 328.

Mr. Engels

**350 (1) (2) Research or Individual Study**

**1 or 2**

Open to seniors by permission.

**370 (1-2) Thesis**

**2 to 4**

Open only to honors candidates who choose to do honors research. For alternate honors program see Directions for Election.

**Directions for Election**

To fulfill the distribution requirement in Group A, students may elect any courses in Greek or Latin except 150, 230, 231, and 328. The following may not be counted toward the major in Greek or Latin: Greek 203, 230; Greek/ Latin 104, 150, 328; Greek 203, 230; Latin 231.

All students majoring in Greek must complete four units of Grade III work.

All students majoring in Latin are required to complete 300, 302, and at least two units of the following: 308, 309, 316, 317. Students planning to teach are advised to elect 206.

Latin students who offer an AP Latin score of 5 should elect 300; an AP score of 4 normally leads to 202.

Students majoring in Greek or Latin are advised to elect some work in the other language. It should be noted that work in both Greek and Latin is essential for graduate studies in the classics.

Courses in ancient history, ancient art, ancient philosophy, and classical mythology are recommended as valuable related work. Students interested in a major in classical and Near Eastern archaeology are referred to p. 160 where the program is described.

Students who wish to focus a classical major on ancient civilization can plan with the department an appropriate sequence of courses, which should include work in art, history, philosophy, and literature. Such a program should always contain at least four units of work in the original language. Basic knowledge of French or German is recommended.

The departments offer a choice of two plans for the Honors Program. Plan A (Honors Research, see 370 above, carrying two to four units of credit) provides the candidate with opportunity for research on a special topic and the writing of a long paper or several shorter papers. Plan B provides an opportunity for the candidate to show through examinations at the end of her senior year that she has acquired a superior grasp, not only of a basic core of texts, but also of additional reading beyond course requirements. Plan B carries no course credit, but where appropriate, students may elect a unit of 350 to prepare a special author or project which would be included in the Honors examinations. Honors candidates who are classical civilization majors should elect Plan B.

# History

## Professor:

Gulick, Robinson, Preyer, Cox•, Cohen (Chairman), Auerbach•

## Associate Professor:

Martin

## Assistant Professor:

Edwards, Tumarkin-Fosburg•<sup>1</sup>, Jones, Knudsen, Mann, Jacobs, Engels

## Instructor:

Molony<sup>3</sup>

## Visiting Associate Professor:

McCully, Herlihy

### 100 (1) (2) Medieval and Early Modern European History

1

A study of the major ideas and institutions that have shaped western civilizations from the "grandeur that was Rome" to the Age of the Renaissance and Reformation. Emphasis upon the different "lifestyles" of successive western societies and upon the processes of social change in the history of western Europe. Introduction to the techniques of historical analysis and to problems in the interpretation of historical evidence through extensive use of original sources.

Open to all students.

Mr. Edwards, Mr. McCully

### 101 (1) (2) Modern European History

1

An introduction to European history from 1600 to the present, designed to aid the student in formulating historical judgments about the significance of representative institutions, the scientific revolution, the Enlightenment, the French Revolution, industrialization, imperialism, world wars, totalitarianism.

Open to all students.

Mrs. Tumarkin-Fosburg, Mr. Knudsen, Mr. Gulick

### 102 (1) The American Experience

1

An introduction to the social, cultural, political, economic forces that have shaped American history, including colonization, slavery, immigration, civil conflict, industrialization, and international relations.

Open to all students.

Ms. Jacobs

### 103 (1) The World and the West

1

An introduction to the study of history and anthropology, focusing on common themes in Western and non-Western cultures. Compares ideas of man and culture, religious beliefs, economic organization, family life and the role of women in the West, Far East, Middle East, and Africa.

Open to all students.

Ms. Mann

### 150 (1) (2) Colloquia

1

For directions for applying see p. 46.

Open by permission to a limited number of freshman and sophomore applicants.

#### (1)

b. 1776 and all that

An analysis of the group of American revolutionaries who rose to power and led the movement for independence from Great Britain. Materials will be drawn from primary sources of the period: letters, documents, pamphlets, and newspapers.

Mrs. Preyer

c. China in outside perspective

Can another people's historical or cultural experience be understood in its own terms by an outsider? Or does the outsider's outsideness place definite limits upon cross-cultural understanding? Many Westerners who went to China in the 20th century stayed for long periods, became deeply engaged in the revolutionary changes that were taking place, and then wrote accounts (often highly personal) of their experiences. What we can learn from these accounts about China—and what the accounts tell us about the outsiders themselves (many of them Americans)—will be the central problem explored in this course. Readings will be drawn from autobiography, fiction, personal memoirs, and journalism.

Mr. Cohen

## d. Henry VIII: wives and policy

A study of the relationship between Henry's matrimonial ventures (all six) and issues of domestic and foreign policy during his reign. The colloquium will be structured around the BBC Television series (6 films, 90 minutes each) called "The Six Wives of Henry VIII." Recent scholarly works, including biographies where possible, and 16th century sources will provide historical materials for comparison with and contrast to the dramatic presentations. At the end of the term we will try to come to some conclusions about the attitudes toward and the expected roles of women at the topmost levels of society in early Tudor England. Time permitting, we will also explore, in a preliminary way, women's lives at less exalted levels of society to gain a comparative dimension.

Mrs. Robinson

## e. Martin Luther and the Protestant Reformation

Using both primary and secondary sources, this colloquium will trace the career and thought of Martin Luther from Catholic monk to "reluctant revolutionary" to "Protestant pope." Emphasis will be placed on how 16th century German society and politics influenced Luther and made the Reformation possible.

Mr. Edwards

## (2)

## f. Sex and the family in history

The course will discuss the history of the family, focusing on childhood, sexual behavior, marriage, work and the family, old age and death. It examines the change from the traditional to the modern family in Western and non-Western societies.

Ms. Mann

## g. Early Greece

A study of the formation of the Western cultural tradition in Greece from the Bronze Age to 500 B.C. The course will emphasize the development of fundamental innovations such as rational thought, the belief in natural law, and systems of government based on the consent of the governed. Other topics will include the Minoan and Mycenaean civilizations, the problem of the Dorian invasion and the Greek Dark Ages, religion, society, the formation of city states, and colonization.

Mr. Engels

**151 (1) (2) 1919. Year of the "New Negro"**  
**1**

For description and prerequisite see Black Studies 151.

**203 (2) The Ancient Near East: An Introduction**  
**1**

For description and prerequisite see Religion and Biblical Studies 203.

**206 (1-2) Afro-American History**  
**1 or 2**

For description and prerequisite see Black Studies 206.

**212 (1) History of American Education**  
**1**

For description and prerequisite see Education 212.

**216 (1) History of the West Indies**  
**1**

For description and prerequisite see Black Studies 216.

**218 (1) Religion in America**  
**1**

For description and prerequisite see Religion and Biblical Studies 218.

**230 (1)\* Greek History from the Bronze Age to the Death of Alexander the Great**  
**1**

A survey emphasizing the relationships between Greek cultural patterns, the origins of the Western intellectual tradition, and the development of constitutional forms of government culminating in the formulation of democracy at Athens. Other topics will include Greek religion, society, economy, the failure of Athenian democracy in its conflicts with Sparta and Macedon, and the achievements of Alexander the Great and their lasting consequences for the future development of Western civilization. Open to all students.

Not offered in 1978-79.

**231 (1)\* History of Rome****1**

An introduction focusing on Rome's cultural development from its origins as a small city state in the 8th century B.C. to its rule over a vast empire extending from Scotland to Iraq. Topics for discussion will include the Etruscan influence on the formation of early Rome, the causes of Roman expansion throughout the Mediterranean during the Republic, and the Hellenization of Roman society. Also, the urbanization and Romanization of Western Europe, the spread of mystery religions, the persecution and expansion of Christianity, and the economy and society of the Empire will be examined.

Open to all students.

Mr. Engels

**232 (1) Medieval Civilization, 1000 to 1300****1**

Western Christendom during the High Middle Ages. Kingship and papacy; natural, common, canon, and Roman law; feudalism, chivalry and the courts of love; Romanesque and Gothic art; demographic, commercial and technological development; rural life and the rise of towns; the climax and failure of medieval Christianity, which set the stage for the subsequent Secularization.

Open to freshmen and sophomores who have taken one unit in medieval history, art or literature, and to juniors and seniors without prerequisite.

Mr. McCully

**233 (1) The Renaissance and Reformation Movements, 1300 to 1600****1**

A survey of Italian Renaissance civilization, its republics and despotisms, cultural life and intellectual and artistic accomplishments; the Renaissance and Reformation papacy; Renaissance humanism in the North; and the Lutheran, Calvinist, Radical, and Catholic Reformations.

Open to all students.

Mr. Edwards

**235 (2) Medieval and Early Modern European Intellectual History****1**

A history of Western thought from St. Augustine to Pascal, emphasizing the relations between ideas and their historical context. How were intellectuals educated and how did they support themselves in Medieval and Early Modern Europe? How did their societies influence them, and they their societies? What did they think on such matters as salvation, war and peace, and human nature? These and related issues will be examined in the lives and times of such intellectuals as Augustine, Anselm, Abelard, Aquinas, Dante, Machiavelli, Luther, Montaigne, and Pascal.

Open to freshmen and sophomores who have taken 100 or related work in literature or philosophy, and to juniors and seniors without prerequisite.

Mr. Edwards

**236 (1)\* The Emergence of Modern European Culture: The Seventeenth and Eighteenth Centuries****1**

A comparative survey of Enlightenment culture in England, France, and the Germanies. Topics to be considered include skepticism, the scientific revolution, classicism in art, the formation of liberal society, the differing social structure of intellectual life. The approach is synthetic, stressing the links between philosophy, political theory, art, and their historical context. Among the authors: Locke, Hume, Voltaire, Diderot, Rousseau, Lessing, Kant, Goethe.

Open to qualified freshmen and sophomores (see Directions for Election), and to juniors and seniors without prerequisite.

Mr. Knudsen

**237 (2)\* Modern European Culture: The Nineteenth and Twentieth Centuries****1**

A survey of European culture from the French Revolution to the post-World War II period—from idealism to existentialism in philosophy, from romanticism to modernism in art and literature. As with 236, emphasis is placed on the social and historical context of cultural life. Among the authors: Wordsworth, Hegel, Marx, Mill, Kierkegaard, Sorel, Freud, Sartre.

Prerequisite: same as for 236.

Not offered in 1978-79.

Mr. Knudsen

**238 (1) English History: 1066 and All That****1**

From the coming of the Anglo-Saxons through the coming of Henry Tudor. This survey will study some of the traditional heroes and villains, such as Alfred the Great, William the Conqueror, Richard the Third; church and churchmen, such as Bede, Becket, and Beaufort; developments into and away from feudal monarchy; aspects of sociopolitical history, including baronial and peasant uprisings; and medieval cultural achievements, especially in architecture, language, and literature.

Open to qualified freshmen and sophomores (see Directions for Election), to sophomores who have taken 100 or are concentrating in English literature, and to juniors and seniors without prerequisite.

Mrs. Robinson

**239 (2) English History: Tudors and Stuarts****1**

The 16th and 17th centuries, emphasizing the unique aspects of the English Reformation, Elizabethan achievements and failings, and the multiple revolutions or alleged revolutions of the 17th century.

Prerequisite: same as for 238.

Mrs. Robinson

**240 (2) Modern England****1**

English history from the late 18th century to the mid-20th century. The transformation of a basically agrarian, hierarchical, traditional society into an industrial, democratic welfare state. Emphasis will be on the time from 1815-1914.

Open to qualified freshmen and sophomores (see Directions for Election), to students who have taken 101 or 239, to sophomores concentrating in English literature, and to juniors and seniors without prerequisite.

Mrs. Robinson

**241 (2) The Disintegration of Medieval France****1**

The emergence of classical French civilization in the *Ancien Regime*. An analysis of political, social, economic, institutional and artistic developments during the French Renaissance and Reformation, the Wars of Religion and the crises of the monarchy.

Open to qualified freshmen and sophomores (see Directions for Election), to sophomores who have taken one unit in history, art history, or French, and to juniors and seniors without prerequisite.

Mr. McCully

**242 (1) The Age of Louis XIV in France****1**

Society and government in 17th century France. The political and cultural background under Richelieu and Mazarin; social, political, and intellectual life during the Golden Age of Absolutism under Louis XIV.

Prerequisite: same as for 241.

Not offered in 1978-79.

Mr. Cox

**243 (2) The Enlightenment, the French Revolution, and Napoleon****1**

French civilization in the 18th century; analysis of the causes, events, and results of the Revolution. The era of the Revolution and the Napoleonic Empire with emphasis upon political, social, and cultural developments, and their impact upon the rest of Europe.

Prerequisite: same as for 242.

Not offered in 1978-79.

Mr. Cox

**244 (1) Modern Germany****1**

Beginning with the revolution of 1848, an examination of German politics, society, and culture to the post-World War II period. Special emphasis on Bismarck and the founding of the German Empire; the Empire's crisis and collapse in World War I; the formation of the Weimar Republic; and the emergence of Nazism and the Third Reich. The task will be to explore the German response to problems shared throughout western Europe.

Prerequisite: same as for 236.

Mr. Knudsen

**246 (1) Medieval and Imperial Russia****1**

A study of the social, political, economic, and cultural development of Russia from the medieval period to the mid-19th century. Particular consideration is given to the rise of absolutism, the enslavement of the peasantry, and the impact upon Russia of successive foreign cultures—Byzantium, the Mongol Empire, and the West. Open to sophomores, juniors, and seniors without prerequisite.

Mrs. Herlihy

**247 (2) Modern Russia and the Soviet Union**  
**1**

One hundred years of reform, revolution, and reaction. Late Imperial Russia, the Revolution of 1917, and the creation of a Soviet state under Lenin and Stalin. Special emphasis is placed on the Russian Revolution and on continuity and change under Soviet rule.

Prerequisite: same as for 246.

Mrs. Tumarkin-Fosburg

**248 (1) Europe in the Twentieth Century**  
**1**

A survey of European history from c. 1900 to the present, with special emphasis on socio-economic, political, cultural and intellectual development. Topics include: demographic and economic changes, the new science, the European state system and its crisis, war and revolution, the challenge of communism and fascism, World War II and its aftermath, changing cultural styles, and the place of Europe and European cultures in the contemporary world.

Prerequisite: same as for 246.

Mrs. Herlihy

**250 (1) The First Frontier**  
**1**

The adaptation of the English, Europeans, and Africans to the alien environment of North America in the 17th century. Analysis of the formation of colonial settlements, problems of survival and leadership, relations with Indian cultures, the creation of new societies in the New World.

Open to sophomores, juniors, and seniors without prerequisite.

Mrs. Preyer

**251 (2) The United States in the Eighteenth Century**  
**1**

Society, culture, and politics in colonial America, in the era of the American Revolution and in the early national period to 1815.

Prerequisite: same as for 250.

Mrs. Preyer

**252 (1) The United States in the Nineteenth Century**  
**1**

An introduction to the major political, economic, and social forces which shaped 19th century American history.

Prerequisite: same as for 246.

Ms. Jones

**253 (1) The United States in the Twentieth Century**  
**1**

Selected 20th century issues and problems, with emphasis on the responses of Americans and their institutions to social change.

Prerequisite: same as for 246.

Ms. Jacobs

**254 (2) United States Urban History**  
**1**

Origins and development of the American urban system from the colonial period to the present, with emphasis upon changing city functions, urban physical and spatial structure and growth, group accommodation to city living, historical trends in urban politics, and problem solving. Open to sophomores by permission of the instructor, and to juniors and seniors without prerequisite.

Ms. Jacobs

**255 (2)\* Japanese Religion and Culture**  
**1**

For description and prerequisite see Religion and Biblical Studies 255.

**257 (2) Women in American History**  
**1**

A survey of women in American history, from the colonial period to the present, focusing on the family, marriage and divorce, women's role in the labor force, images of women in the popular media, women's rights, and feminism. Open to all students, except those who have taken [155].

Ms. Jones

**260 (1)\* History of Spanish America**  
**1**

The political, social, economic, and cultural evolution of the Latin American world from colonial days to the present. Emphasis on colonial institutions and their relations to historical developments in the Iberian peninsula, and on the fundamental problems, especially in certain key countries, of modern and contemporary Latin America.

Open to qualified freshmen and sophomores (see Directions for Election), to sophomores who have had a course in history or art history, and to juniors and seniors without prerequisite.

Mr. Lovett

**261 (2)\* History of Spain****1**

The period of Spain's hegemony and modern developments culminating in the Civil War of 1936-39.

Prerequisite: same as for 260.

Not offered in 1978-79.

Ms. Gascón-Vera

**267 (1) Africa Before the Europeans: Dark Continent or Kingdoms of Light?****1**

Introduction to the complexity of political and social life and the unity of culture in traditional African kingdoms. Discussion of social, political and economic organization, religion, art and literature, using an interdisciplinary approach. Includes audiovisual material as well as reading, lectures, and discussions.

Open to all students.

Ms. Mann

**268 (2) Africa in the Modern World****1**

Focus will be on problems confronting Third World countries today, using Africa as a case study. Analyzes colonialism and its breakdown, the rise of liberation movements and the emergence of new states. Examines the role of governments, foreign corporations, and African entrepreneurs in economic development, and discusses the directions of contemporary social change. Special emphasis placed on the current crisis in southern Africa.

Open to all students.

Ms. Mann

**271 (1) Japanese History****1**

Japanese history from earliest times to present, focusing on modern period (since 1600). Special consideration given to cross-cultural comparison (Japanese and European feudalism, Japanese and Chinese responses to encounters with the modern West), factors contributing to Japan's astonishingly rapid modernization in the 19th and 20th centuries, and problems faced by Japan in the future.

Open to all students.

Not offered in 1978-79.

Mr. Cohen

**272 (1) Traditional and Early Modern Japanese History****1**

Japan from prehistoric times to the mid-19th century, with emphasis on the 17th-19th centuries (Tokugawa). Japan's adaptation of Chinese civilization; cultural and literary history; political effects of socioeconomic changes from the classical period, through feudalism, to the eve of Japan's interaction with the West; ideological developments that conditioned Japan's response to Western encroachment; and changing status of women.

Open to all students.

Ms. Molony

**273 (2) Society and Economy in Modern Japan****1**

Consideration of major themes in Japanese history since the Meiji Restoration (1868). Japan's 19th century "economic miracle" and the problems faced by a rapidly modernizing agrarian economy: nationalism, imperialism, and their effects on foreign relations; adaptation of Western ideas and institutions; themes in 20th century literature and culture; social and political movements of the 20th century, concentrating on women's suffrage and labor movements. Final topic: Japan today.

Open to all students.

Ms. Molony

**275 (1) Premodern Chinese History****1**

Chinese civilization from earliest times to the period of the modern western intrusion. Emphasis on dominant historical and cultural patterns; the evolution of Confucianism, Taoism, and Chinese Buddhism; and the development of major political institutions (emperor, bureaucracy, examination system, and others). Extensive readings in Chinese literature.

Open to all students.

Not offered in 1978-79.

**276 (1) Modern Chinese History****1**

An analysis of the revolutionary changes that have swept China from the Opium War to the present. Equal emphasis will be placed on (1) the disintegration of the old society during the last century of the imperial era and (2) the efforts of the Nationalist and Communist parties to rebuild China in the 20th century. Special attention will be paid to intellectual and cultural changes and to the respective roles of the West and of indigenous forces in shaping China's modern evolution.

Open to all students.

Mr. Cohen



**280 (2) Imperialism and Dependency in the Third World****1**

Analyzes the economic and political causes of the expansion of Europe and the United States into Africa, Asia, the Middle East, and Latin America since the mid-19th century. Examines the characteristics and consequences of imperialism and dependency in these areas of the world today.

Open to sophomores, juniors, and seniors without prerequisite.

Ms. Mann

**300 (2) The Nature and Meanings of History****1**

The history of Western historical thought, from Herodotus to the present, as displayed in classic works by such figures as Herodotus, St. Augustine, Leonardo Bruni, Machiavelli, Voltaire, Montesquieu, Burke, Hegel and Marx, Burckhardt, Acton, De Tocqueville, Bancroft, Spengler, Toynbee, and various philosophically significant representatives of modern historiography.

Open to qualified juniors and seniors by permission of the instructor.

Mr. McCully

**301 (1) The Art of Biography****1**

Exploration of the diverse ways of presenting biographical narrative and insights in prose, film, and other media; the utilization of sources on the individual and their integration with historical materials; the historiographical problems of biography.

Prerequisite: same as for 254.

Mr. Gulick

**302 (2) Biography Workshop****1**

Student biographical projects in prose, film, and other media, normally a continuation of projects begun in 301. Group discussion.

Prerequisite: 301.

Mr. Gulick

**305 (1) Europe's Traditional System of International Relations, 1780 to 1914****1**

The nature of Europe's classical balance of power system and its subsequent modification through the French and industrial revolutions; the diplomacy of national unification and of imperialist expansion. Attention to Ottoman, Chinese, and African relations with Europe.

Prerequisite: same as for 300.

Not offered in 1978-79.

Mr. Gulick

**306 (2) Global International Relations****1**

The emergence of untraditional, cataclysmic problems of weaponry, population, and environment superimposed on traditional, ongoing problems of international relations. Attention equally divided among Europe, East Asia, the United States, and the Soviet Union.

Prerequisite: same as for 300.

Mr. Gulick

**310 (1-2) Social History of the United States****1 or 2**

The development of American society in terms of changing family organizations, socioeconomic class structure, patterns of work and leisure time activities, industrialization, urbanization, ethnic groups, and social and geographical mobility. First semester: Colonial period to 1850. Second semester: 1850 to 1960. Either semester may be elected independently.

Open to juniors and seniors who have taken two units of history or by permission of the instructor.

Ms. Jones

**319 (2) Pan-Africanism****1**

For description and prerequisite see Black Studies 319.

**320 (1) Social History of American Law: The Formative Era****1**

The modification of English law in the American colonies, the impact of legal changes during the post-revolutionary period; the development of American law in the federal system, the growth of the legal profession, the role of the judiciary, the relationship of law and legal institutions to social and economic change before the Civil War. Open to juniors and seniors.

Mrs. Preyer

**321 (2) Social History of American Law: The Modern Era****1**

An examination of selected problems in American legal development since the Reconstruction era. Law will be viewed as a social institution, not as a transcendent abstraction. It will be considered as an instrument of, and deterrent to, social change, with special attention to the relation of law to liberty, the role of the legal profession, and modes of legal thought.

Open to juniors and seniors.

Not offered in 1978-79.

Mr. Auerbach

**328 (2) Problems in Ancient History and Historiography****1**

For description and prerequisite see Greek 328.

**330 (2) Seminar. Medieval/Early Modern Europe****1**

Topic for 1978-79: Renaissance Florence. "It is undoubtedly a golden age," wrote Marsilio Ficino in 1492, "which has restored to the light the liberal arts that had almost been destroyed: grammar, poetry, eloquence, painting, sculpture, architecture, music. And all that is Florence." To examine this claim, the seminar will study the political and social history of Florence and the lives and achievements of such men as Bruni, Ghiberti, Donatello, the Medici, Alberti, Michelangelo, and Machiavelli.

Open to qualified juniors and seniors by permission of the instructor (see Directions for Election).

Mr. Edwards

**331 (1) Seminar. European History****1**

Topic for 1978-79: Russian cities in the 19th century. An analysis of urbanization in Russia from the Napoleonic war to the October revolution. The seminar will review early Russian industrialization, immigration, problems of health and housing, transportation, and the uses of urban space. These topics will be considered within a comparative framework, with special reference to urbanization in 19th century Western Europe and America.

Prerequisite: same as for 330.

Mrs. Herlihy

**332 (1) Seminar. English History****1**

Topic for 1978-79: The "woman question" in Victorian England. A study of the literature about, and the struggles for, the emancipation of women: personal, legal, educational, professional, political. The major source will be the periodical literature from the 1850's onward, with special attention to the many articles written, often anonymously, by women.

Prerequisite: same as for 330.

Mrs. Robinson

**333 (2) Seminar. European Intellectual History****1**

Topic for 1978-79: The Counter-Enlightenment. Study of individuals and societies who stood in opposition to the principles of the European Enlightenment: the skeptics and mystics, the philosophers of culture and irrationalism, the secret and occult societies. We will consider individuals such as Pascal, Vico, Herder, Mozart (*The Magic Flute*) and de Sade, and societies such as the Rosicrucians and Illuminati.

Prerequisite: same as for 330.

Mr. Knudsen

**335 (1) Seminar. American Studies****1**

Topic for 1978-79: America as the promised land. An examination of selected texts drawn from various disciplines and historical eras which attempts to define the promise of the American experience and analyze the fulfillment or failure of that promise.

Open by permission of the instructor.

Ms. Jacobs

**337 (2) Seminar. American History****1**

Topic for 1978-79: Family household structure in 19th century America—a comparative approach. An examination of the demographic characteristics of a variety of socioeconomic, regional, and ethnic groups in 19th century America, with an emphasis on the size and composition of households. Sources will include the U.S. Federal Manuscript Census and secondary literature on the history of the family.

Prerequisite: same as for 330.

Ms. Jones

**338 (2) Seminar. American History****1**

Topic for 1978-79: Community and conflict. An examination of challenges to the corporate ideals of community, harmony, and unity. Through the use of case studies, participants will explore both how specific communities reacted to dissent and how dissenters reacted to repression. Cases for discussion will include Salem witchcraft, 19th century utopias, the Scopes trial, civil rights, and abortion and the women's movement.

Prerequisite: same as for 330.

Ms. Jacobs

**339 (1) Seminar. American Jewish History  
1**

Ethnicity, assimilation, and identity: American Jews as a case study. The development of American Jewish life and institutions since the era of mass immigration. Historical and literary evidence will guide explorations into the relationship between minority and majority cultures and the implications for group identity. Theories of assimilation and pluralism will be considered within their social contexts.

Open by permission of the instructor.

Not offered in 1978-79.

Mr. Auerbach

**340 (2) Seminar. Afro-American History  
1**

For description and prerequisite see Black Studies 340.

**342 (2) Seminar. African History  
1**

Normally a different topic each year.

Prerequisite: same as for 330.

Not offered in 1978-79.

Ms. Mann

**345 (1) Seminar. Chinese History I  
1**

Normally a different topic each year.

Prerequisite: same as for 330.

Not offered in 1978-79.

Mr. Cohen

**346 (2) Seminar. Chinese History II  
1**

Topic for 1978-79: Sino-American relations from the late 19th century to the present. Possible topics: U.S. exclusion legislation, the rhetoric and reality of the Open Door, American intellectual and cultural influence in the 1920's and 1930's, China and the U.S. as allies during World War II, American intervention in the Chinese civil war, McCarthyism and the re-emergence of anti-Chinese feeling, the Nixon opening, the problem of Taiwan.

Prerequisite: same as for 330.

Mr. Cohen

**347 (2) Seminar. Comparative History  
1**

Topic for 1978-79: A revolutionary era, 1776-1830. Similarities and differences of revolution, reform and reaction in Europe and America. The ideology of change, the evolution of political movements, the role of social class and the emergence of new social and economic realities. Prerequisite: same as for 330.

Mrs. Preyer

**350 (1) (2) Research or Individual Study  
1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis  
2 to 4**

Open only to honors candidates.

**Directions for Election**

A wide variety of programs may provide insight into the nature and scope of history as a discipline. Accordingly, the student majoring in history is given great latitude in designing a program of study. The student may elect courses freely, but should focus eventually upon a special field of interest, such as: (1) a particular geographic area, nation, or culture; (2) a limited time period; (3) a special aspect of history, e.g., social, diplomatic, intellectual; (4) a significant historical problem or theme, e.g., revolution, urbanization, racism. In designing a program, students are encouraged to consider courses given at MIT and in other departments at Wellesley. The concept of the major should be discussed with the major advisor, and students should consult with their advisors about changes they may wish to make in the course of the junior and senior years.

The colloquia are available to freshmen and sophomores without prerequisite. Since colloquia enrollments are limited, special application must be made. Incoming freshmen may obtain application forms from the class dean, sophomores from the Registrar's Office, Green Hall. If a colloquium is oversubscribed, the instructor will decide which applicants are to be accepted. Students are advised to apply for more than one, indicating first, second, and third choices if they wish.

Seminars, unless otherwise indicated, are open by permission of the instructor to qualified juniors and seniors. Since enrollments are limited, a student wishing to apply for admission to one

or more seminars must fill out an application blank, available in the department office, Founders Hall 219. Notification of which applicants are to be accepted will be made no later than the announced date for course changes without fee in each semester.

The general survey courses (100, 101, 102, 103) and Grade II survey courses in classical (230, 231), Asian (271, 272, 273, 275, 276), and African (267, 268), history are open to all students without prerequisite. In addition, freshmen and sophomores with a strong secondary school background in European history (ancient, medieval, or modern) may elect as a beginning course 232, 233, 236, 237, 238, 239, 240, 242, 243. Courses at the Grade I level, however, are strongly recommended for students planning to major in history.

# Italian

Professor:  
Avitabile (Chairman)

Assistant Professor:  
Ellerman<sup>1</sup>, Jacoff

Instructor:  
Mattii<sup>3</sup>

All courses are conducted in Italian. In all courses except seminars some work may be required in the laboratory.

Qualified students may be recommended to spend the junior year in Italy. See p. 42.

Attention is called to the major in Italian Culture. See Directions for Election and Interdepartmental majors.

## 100 (1-2) Elementary Italian

2

Development of basic language skills for the purpose of acquiring contemporary spoken Italian and a reading knowledge useful in the study of other disciplines. A general view of Italian civilization. Three periods.

The Staff

## 202 (1) Intermediate Italian

1

Emphasis on grammar review, vocabulary enrichment, and development of written and oral expression. Readings, selected for their variety of content and style, will include articles from newspapers and periodicals, short stories, and a contemporary novel.

Prerequisite: 100 or the equivalent.

The Staff

## 205 (2) Contemporary Italy

1

Continued development of language skills through the study of a variety of texts concerning basic aspects of contemporary Italian history, culture, and society such as: fascism and the resistance, the feminist movements, the current political scene, and the crisis in education. Emphasis on class discussion; frequent oral reports, short papers.

Prerequisite: 202.

Mrs. Ellerman

**207 (2) Significant Moments of the Italian Literature of the Middle Ages and the Renaissance**

**1**

An introduction to the Golden Age of Italian literature. Study and analysis of selected texts by authors such as Saint Francis of Assisi, Dante, Petrarch, Boccaccio, Machiavelli, and Guicciardini.

Prerequisite: 202.

**208 (1) Italian Romanticism**

**1**

An introductory study of the poetry and prose of Foscolo, Leopardi, and Manzoni.

Prerequisite: 205 or 207 or permission of the instructor.

**211 (1) Dante in English**

**1**

An introduction to Dante and his culture. This course presumes no special background and attempts to create a context in which Dante's poetry can be carefully explored. It concentrates on the *Divine Comedy* and Dante's use of his literary and philosophical sources. The centrality and encyclopedic nature of the comedy make it a paradigmatic work for students of the Middle Ages. Since Dante has profoundly influenced some key figures of the 19th and 20th centuries, students will find that he illuminates modern literature as well.

Open to all students.

Ms. Jacoff

**245 (2) Films and the Novel in Italy**

**1**

For description and prerequisite see Extra-departmental 245.

**301 (1-2) Dante**

**2**

A study of Dante's *Divina Commedia* and minor works.

Prerequisite: same as for 208.

Ms. Avitabile

**302 (1)\* The Theatre in Italy**

**1**

The development of the theatre from its origins to the present time. An introduction to the classical theatre, the *Commedia dell'Arte*, the Pastoral drama; special emphasis on the modern theatre and experimental theatre of today. Study of plays by authors such as Machiavelli, Tasso, Goldoni, Pirandello, Betti, and Fo.

Prerequisite: same as for 208.

Mrs. Mattii

**303 (1)\* The Short Story in Italy Through the Ages**

**1**

A study of short stories by authors such as Boccaccio, Sacchetti, Bandello, Gozzi, Verga, Calvino, and Moravia. Particular attention will be given to the content as a reflection of changing social mores.

Prerequisite: same as for 208.

Not offered in 1978-79.

Mrs. Ellerman

**308 (2) The Contemporary Novel**

**1**

The study of Italian fiction since 1930 as seen in the works by authors such as Vittorini, Pavese, Pratolini, Volponi, and novelists of the 1970's. Special emphasis on themes related to the literary, social, and cultural problems of the postwar era.

Prerequisite: same as for 208.

Mrs. Ellerman

**349 (2) Seminar. Literature and Society**

**1**

The works of one or two writers studied in relation to their historical context. The author(s) will be chosen according to the interests of the participants in the course.

Open by permission of the chairman.

The Staff

**350 (1) (2) Research or Individual Study**

**1 or 2**

Open by permission to students who have completed two units in literature in the department.

**370 (1-2) Thesis**

**2 to 4**

Open only to honors candidates.

## Directions for Election

Course 100 is counted toward the degree but not toward the major. Course 245 may count toward the major as specified in the course description.

Students majoring in Italian are required to take 207 and are advised to take 301 and 308. Courses in one or more other languages, ancient or modern, art, history, and philosophy, are recommended as valuable related work.

Students interested in an individual major in Italian Culture are referred to the section in the Catalogue where the program is described. They should consult with the director of the Italian Culture program.

Majors planning to do graduate work in Italian are advised to take at least one unit in French or Spanish literature and to have a reading knowledge of Latin or of a third Romance language.

# Mathematics

Professor:  
Schafer, Wilcox (Chairman)

Associate Professor:  
Stehney, Shuchat, Shultz

Assistant Professor:  
Wason, Sontag<sup>•</sup>, Wang, Bekes<sup>•</sup>, Beers,  
Ledbetter, Magid, Criscenti<sup>3</sup>

Lecturer:  
Trubek<sup>3</sup>

Instructor:  
Wolitzer

Most courses meet for two periods weekly with a third period every other week.

## 100 (1) (2) Introduction to Mathematical Thought

1

Topics chosen from areas such as strategies, computers, infinite sets, knots, coloring problems, number theory, geometry, group theory. Courses 100 and 102 are intended primarily as terminal courses; both may be elected. Not open to students who have taken [101], 115, 150, or the equivalent.

The Staff

## 102 (1) (2) Applications of Mathematics Without Calculus

1

Introduction to topics such as probability and statistics, matrices and vectors, linear programming, game theory; applications in the biological and social sciences. Courses 100 and 102 are intended primarily as terminal courses; both may be elected. Open to all students.

The Staff

**103 (1) (2) Techniques of Mathematics:**

**Precalculus**

**1**

Methods of problem-solving; an emphasis on development of analytic and algebraic skills necessary for success in studying calculus. The course is designed to maximize substantive success in mathematics: interaction and close personal attention are the rule in class; quizzes are given frequently with virtually unlimited opportunities to retake them. Three 50-minute class meetings, two optional tutorial sessions weekly. Does not count toward the Group C distribution requirement.

Open by permission of the department.

The Staff

**115 (1) (2) Calculus I**

**1**

Introduction to differential and integral calculus for functions of one variable. Differentiation and integration, with applications to curve sketching, extremal problems, velocities, related rates, and areas.

Open to all students except those who have taken [108] or [110] or the equivalent.

The Staff

**116 (1) (2) Calculus II**

**1**

Theoretical basis of differentiation and integration; limits, continuity, differentiability, Mean Value Theorem, linear approximation, integrability. Trigonometric, exponential, and logarithmic functions and their applications in greater depth than in 115. Further integration techniques and applications. Sequences and series. L'Hospital's Rule and Improper Integrals. First order differential equations.

Prerequisite: 115 or the equivalent.

The Staff

**150 (1) (2) Colloquium**

**1**

For directions for applying see p. 46.

Open by permission to a limited number of freshman and sophomore applicants.

Discovery course in mathematics and its applications

Mathematical reasoning and its applications. A discussion group in which students discover mathematical structure in several fields, including some not often recognized as mathematical in nature. Topics chosen from: network analysis, mathematics in music and art, graphing and interpretation of data, exponential growth, computer programming. Especially appropriate for students with an interest in fields requiring quantitative reasoning but who might otherwise avoid these fields because of the mathematics involved. Two 70-minute meetings and another 1-2 hour meeting weekly. Mandatory credit/non-credit.

Prerequisite: reasonable knowledge of high school level mathematics. Not open to those who have taken 100 or calculus.

Ms. Schafer, Ms. Beers

**201 (1) Techniques of Intermediate Calculus**

**1**

A nontheoretical development of topics of particular importance to students interested in applications of mathematics. Topics include: functions of several variables, partial differentiation and multiple integration. Linear algebra, matrices, linear equations, determinants. Ordinary differential equations, homogeneous and simple nonhomogeneous equations, numerical and power series solutions. Vector valued functions. Not to be counted toward the major in mathematics. Extradepartmental 216 is recommended as a sequel, particularly for majors in the physical sciences.

Prerequisite: 116 or the equivalent.

The Staff

**203 (1) Probability and Elementary Statistics**

**1**

Topics selected from the theory of sets, discrete probability for both single and multivariate random variables, probability density for a single continuous random variable, expectations, mean, standard deviation, and sampling from a normal population.

Prerequisite: same as for 201.

**210 (2) Differential Equations****1**

An introductory course in ordinary differential equations.

Prerequisite: [207] or 215.

**215 (1) (2) Linear Algebra and Multivariable Calculus I****1**

Vectors, matrices, determinants, curves, functions of several variables, partial derivatives, gradients, vector-valued functions of a vector variable, applications.

Prerequisite: same as for 201.

The Staff

**216 (1) (2) Linear Algebra and Multivariable Calculus II****1**

Vector spaces, including subspaces, independence, bases, dimension. Linear transformations, including range, null space, inverses, representing matrices, eigen values. Line integrals and Green's Theorem. Multiple integrals.

Prerequisite: 215.

The Staff

**217 (1)\* Topics in Mathematics and Economics****1**

Applications of calculus and linear algebra to economic analysis. Topics include: linear and nonlinear programming (optimization), input-output analysis and game theory.

Prerequisite: Economics 201 or 202 and Mathematics 201 or 215, or permission of the instructor.

Not offered in 1978-79.

**218 (2)\* Topics in Applied Mathematics****1**

Topic for 1978-79: Mathematical modelling. The course will focus on the process of translating "real world problems" into mathematical form (building a model), analysis of the model, and interpretation of the results. The problems discussed will be chosen from such areas as public planning, demography, economics, energy, ecology, chemistry, physics, and renewable resource management. Each student will develop a model of a significant contemporary problem as part of the course. Calculus and linear algebra will be used throughout; probability, differential equations, and computer usage will be introduced as needed.

Prerequisite: 201 or 215.

Mr. Schultz

**249 (1) Selected Topics****1**

Normally a different topic each year.

Prerequisite: same as for 201.

Not offered in 1978-79.

**302 (1-2) Elements of Analysis****1 or 2**

First semester: Metric spaces; compact, complete, and connected spaces; continuous functions; differentiation, integration, interchange of limit operations as time permits. Second semester: Topics such as measure theory, Lebesgue integration, Fourier series, and calculus on manifolds. One unit of credit may be given for the first semester.

Prerequisite: 216 or both [206] and [208].

Mr. Schuchat

**305 (1-2) Modern Algebraic Theory****1 or 2**

First semester: Introduction to groups, rings, integral domains, and fields. Second semester: Topics chosen from the theory of abstract vector spaces, Galois theory, field theory. One unit of credit may be given for the first semester.

Prerequisite: same as for 302.

Ms. Wang, Ms. Beers

**307 (1)\* Topology****1**

Introduction to point-set and algebraic topology. Topological spaces and properties, product spaces, continuous maps, covering spaces, homotopy, the fundamental group, and applications.

Prerequisite: 302 (1).

Ms. Stehney

**309 (1)\* Foundations of Mathematics****1**

An introduction to foundations of modern mathematics, including abstract point-set topology, set theory, cardinal and ordinal arithmetic, and the axiom of choice.

Prerequisite: 302 (1) and permission of the instructor.

Not offered in 1978-79.

**310 (2) Functions of a Complex Variable****1**

Elementary complex functions and their mapping properties; integration theory; series expansions of analytic functions.

Prerequisite: 302 (1).

Ms. Schafer



**349 (2) Selected Topics****1**

Topic for 1978-79: Geometric analysis. Material chosen from multilinear algebra, derivatives and differentials, inverse and implicit functions, the exterior and alternating algebras, vector fields and flows, manifolds, immersions and submersions, the tangent bundle, the classical theorems of analysis from a modern geometric viewpoint (Stokes', Green's, divergence, Cauchy's, determinant as a volume element), orientation, critical points, transversality, Sard's theorem.

Prerequisite: 302 (1) or 305 (1).

Mr. Ledbetter

**350 (1) (2) Research or Individual Study****1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates who choose to do honors research. See Directions for Election.

## Placement in Courses and Exemption Examination

Students entering with AP scores of 4 or 5 on the AB Examination, or 3 on the BC Examination of the CEEB are eligible for 116; those entering with AP scores of 4 or 5 on the BC Examination of the CEEB are eligible for 215.

Examinations for exemption from one or two courses in mathematics to satisfy partially the College requirement in science and mathematics will be offered to students who have been well prepared in the subject matter of 115 and 116. If students pass both 115 and 116 examinations, they will receive exemption from two units in mathematics; if they should pass the 115 examination only, they will receive exemption from one unit in mathematics. Exemption examinations are not offered for other courses.

**Directions for Election**

A major in mathematics must include 215 and 216 or [206] and [208] as well as 302 (1), 305 (1) and either 302 (2) or 310. Units of AP credit will not be counted toward the minimum of eight units required of majors. Students planning to elect both units of either 302 or 305 should take both units in the same year.

Courses 100, 102, 103, 150 and [101] may not be counted toward the major.

Students expecting to do graduate work in mathematics should elect the second semesters of 302 and 305, and 310 and 349. They are also advised to acquire a reading knowledge of one or more of the following languages: French, German, or Russian.

Students who expect to teach at the secondary school level are advised to elect the second semester of 302 or a course in geometry, and 310.

Majors who may be practice teaching in their senior year should elect 302 (1-2) or 302 (1) and 310 not later than their junior year. Students are encouraged to elect MIT courses which are not offered by the Wellesley College mathematics department.

All candidates for honors will be required to complete two of the following three courses: 302 (2), 305 (2), and 310. The department offers the following options for earning honors in the major field: (1) completion of 302 (2), 305 (2), 310 and one additional Grade III course, and two written comprehensive examinations; (2) two semesters of thesis work (370); or (3) participation in a two-semester seminar and a written examination on the seminar topics. An oral examination is required in all honors programs.

# Music

Professor:  
Herrmann, Jander•<sup>2</sup>

Associate Professor:  
Barry (Chairman)

Assistant Professor:  
Kelly, A. Shapiro<sup>3</sup>, Proctor

Lecturer:  
Cooke<sup>3</sup>, Fisk<sup>3</sup>, Carroll<sup>3</sup>, Tolkoff<sup>3</sup>

Instructor in Performing Music:  
Taylor (organ), Pappoutsakis (harp), Preble (flute), O'Donnell (voice), Plaster (bassoon and Assistant in Chamber Music), Hartzell (viola da gamba and Assistant in the Collegium Musicum), Moran (horn), Linfield (recorder, and Assistant in the Collegium Musicum), Cirillo (violin and Director of Chamber Music), Arnold (guitar), Fisk (piano), Zaretsky (viola), Moerschel (cello), Cleverdon (harpsichord), Sadovnikoff (forte-piano, piano), Pearson (oboe), Krueger (flute and baroque flute), Reid (trumpet), L. Shapiro (piano), Tolkoff (Assistant in Chamber Music)

## 100 (1) (2) Style in Music

1

A survey of principal musical styles and forms of Western music, with emphasis on the period 1700 (Bach and Handel) to the turn of the last century (Moussorgsky, Debussy, and Stravinsky). Not to be counted toward the major. Two lectures and one section meeting.  
Open to sophomores, juniors, and seniors who have not taken more than one unit in music, and to freshmen with permission of the chairman.

Mr. Herrmann, Mr. Jander, Mrs. Proctor,  
Mrs. Shapiro

## 102 (1) Introductory Theory

1

The fundamentals of musicianship. Development of reading and listening skills. Normally followed by 202. Three periods: one lecture and two section meetings.  
Open to all students.

Miss Barry, Mr. Fisk

## 106 (2) Afro-American Music

1

A survey of Black music in America, its origins, its development, and its relation to cultural and social conditions. Not to be counted toward the major in music.

Open to all students except those who have taken [107].

Mr. Carroll

## 200 (1-2) Design in Music

2

A survey beginning with Gregorian chant and concluding with electronic music, with emphasis on live performance and on the incisive analysis of scores. Three periods.

Prerequisite: 202 or [101].

Mr. Kelly

## 202 (2) Harmony I

1

A continuation of 102. Further development of reading and listening skills. Figured bass: harmonic writing, analysis, and keyboard realization. The study of classical tonal relationships. Three periods: one lecture and two section meetings.

Prerequisite: 102 or [101 (1)].

Miss Barry

## 204 (1) Counterpoint I

1

Writing and analysis of 16th century modal counterpoint. A practical study of the style based on two- and three-part vocal models by Dufay, Deprès, Lassus, Ockeghem, and Palestrina.

Open to students who have taken, or exempted, 102 or [101 (1)].

Mrs. Proctor

## 208 (2)\* The Baroque Era

1

Studies in the music of the 17th and early 18th centuries with emphasis on the works of Bach and Handel. Not to be counted toward the major in music. Normally alternates with 209, 210, and 214.

Prerequisite: 100, 102, [101 (1)], or [103].

Not offered in 1978-79.

**209 (2)\* The Classical Era****1**

The development of the principal instrumental forms of the period: concerto, sonata, string quartet, and symphony, with emphasis on works of Haydn, Mozart, and Beethoven. Not to be counted toward the major in music. Normally alternates with 208, 210, and 214.  
Prerequisite: same as for 208.

Not offered in 1978-79.

**210 (2) The Romantic Era****1**

Main currents in 19th century music: the influence of Beethoven; short lyric forms; the music drama. Not to be counted toward the major in music. Normally alternates with 208, 209, and 214.

Prerequisite: same as for 208.

Not offered in 1978-79.

**211 (1) The Major Instrumental Forms****1**

Topic for 1978-79: The concerto. Representative and varied examples of the concerto from the 17th through the 20th centuries, with emphasis on works of Bach, Mozart, Beethoven, Brahms, and Bartók. Not to be counted toward the major in music.

Prerequisite: same as for 208.

Mr. Jander

**214 (2) The Twentieth Century****1**

An introduction to contemporary music. Not to be counted toward the major in music. Normally alternates with 208, 209, and 210.

Prerequisite: same as for 208.

Not offered in 1978-79.

**215 (2) Vocal Forms****1**

Topic for 1978-79: The opera. The growth of the opera as a musical and dramatic form from its beginnings in the early Baroque to the end of the 19th century. Works studied will cover the span from Monteverdi's *Orfeo* to Puccini's *La Bohème*, but particular emphasis will be placed upon the operas of Mozart, Verdi, and Wagner. Not to be counted toward the major in music.

Prerequisite: same as for 208.

Mr. Herrmann

**240 (2) Proseminar in Performance****1**

Studies in performance and interpretation. Exploration of available repertory, editorial problems, and questions of performance practice in several historical periods through the performance and analysis of a few representative works. The study of a common repertory, shared by the entire class, will be supplemented by individual projects relating directly to the student's own performance interests and needs.

Limited enrollment.

Open by consultation and informal audition with the instructor.

Prerequisite: 202 or [101].

Mrs. Shapiro

**302 (1) Harmony II****1**

The harmonization of melodies. Improvisation and elaboration of typical harmonic phrases. A continuation of figured bass studies with emphasis on keyboard realization. Further study in the structure of classical tonality. Three periods.

Prerequisite: 202 or [101].

Mrs. Proctor

**303 (1) The Middle Ages and the Renaissance****1**

Topic for 1978-79: Renaissance instrumental music—instruments and their use; performance possibilities; relation of instrumental music to vocal forms and practice.

Prerequisite: 200.

Mr. Kelly

**304 (2) Counterpoint II****1**

A study of tonal counterpoint through written exercises based on examples from the works of J. S. Bach. Additional study will be devoted to developing an understanding of the role of counterpoint in classical tonal composition.

Prerequisite: 204 and 302.

Mrs. Proctor

**306 (2) Tonal Analysis****1**

The normal continuation of 302. A study of the tonal forms of the 18th and 19th centuries.

Analysis emphasizing musical form as a process in time and tonality. Three periods.

Prerequisite: 302.

Mr. Fisk

**307 (2)\* The Opera****1**

A study of operatic forms, styles, and traditions from the time of Mozart to the present.

Prerequisite: 200 or, with permission of the instructor, two Grade II units in the literature of music.

Not offered in 1978-79.

**313 (1) Twentieth Century Analysis and Composition****1**

A study of compositional devices of 20th century music through the analysis of selected short examples from the literature. Techniques will be reinforced by the composition of solo and small ensemble pieces, vocal and instrumental.

Prerequisite: 204 or [203] and 306 or [312], or by permission of the instructor.

Mrs. Proctor

**314 (2) Tonal Composition****1**

A study of tonal forms—the minuet, extended song forms, and the sonata—through the composition of such pieces within the style of their traditional models.

Prerequisite: same as for 313.

Mrs. Proctor

**319 (2)\* Seminar. The Nineteenth Century****1**

Topic for 1978-79: Berlioz, rebel, dramatist, orchestral genius, and primordial Romanticist. Works to be studied include the overtures, dramatic symphonies, *Damnation de Faust*, *Les Troyens*, *Requiem*, and *L'Enfance du Christ*. Open to students who have taken 200 and who have taken or are taking 306.

Mr. Cooke

**320 (1) Seminar. The Twentieth Century****1**

Normally a different topic each year.

Prerequisite: same as for 303.

Not offered in 1978-79.

**321 (1) Seminar. The Age of Bach and Handel****1**

Topic for 1978-79: The Handelian oratorio. A study focusing on the works written in the period 1738-1744, including *Saul*, *Israel in Egypt*, *Messiah*, and *Samson*. The English oratorio viewed as music drama and a synthesis of various musical and dramatic forms: Italian opera and chamber cantata, German church music, English anthem and ceremonial ode. Special emphasis will be placed on the role of the chorus. Prerequisite: 200 and 306.

Mr. Hermann

**322 (2) Seminar. The Classical Era****1**

Topic for 1978-79: A study of the Classical style as exemplified by the keyboard and chamber works of Mozart and Haydn, with special emphasis on problems of performance practice in the Classical repertoire.

Prerequisite: same as for 321.

Miss Tolkoff

**344 (1) (2) Performing Music****1 or 2**

Intensive study of interpretation and of advanced technical performance problems in the literature. One hour lesson per week plus required biweekly performance workshop. Open to qualified students who have taken 200 and who meet the qualifications described under Performing Music: Academic Credit.

The Staff

**350 (1) (2) Research or Individual Study****1 or 2**

Directed study in analysis, composition, orchestration, or the history of music.

Open to qualified juniors and seniors by permission.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates who choose to do honors research, or an honors project in composition or in performance. See Directions for Election.

## Directions for Election

The normal music major sequence is 102, 202, 200, 302, 306, 204, and one of the following: 304, 313, or 314. Beginning with the Class of 1980, two units of Grade III music literature are also required.

Students who plan to undertake graduate study in music should be aware that a knowledge of both German and French is essential for work at that level, and a proficiency in Italian is highly desirable. Also of value are studies in European history, literature, and art.

Music majors are especially urged to develop their musicianship through the acquisition of basic keyboard skills, through private instruction in practical music, and through involvement in the Music Department's various performing organizations.

Training in sight reading, keyboard harmony, and score reduction is provided without charge to all students enrolled in any Grade II or Grade III theory course.

The department offers a choice of three programs for Honors, all entitled 370. Under Program I (two to four units of credit) the honors candidate performs independent research leading to a thesis and an oral examination. Under Program II, honors in composition, one unit is elected per semester in the senior year, these units culminating in a composition of substance and an oral examination on the honors work. Prerequisites for this program: 204, 306, distinguished work in 313, and evidence of independent work in 314; prerequisite or corequisite: 320. Program III, honors in performance, involves the election of one unit per semester in the senior year culminating in a recital, a lecture demonstration, and an essay on some aspect of performance.

Prerequisites for Program III: Music 344 (normally two units) in the junior year, and evidence that year, through public performance, of exceptional talent and accomplishment.

## Performing Music

### Private Instruction

The Music Department makes arrangements for private instruction in voice, piano, fortepiano, organ, harpsichord, harp, violin (baroque and modern), viola, cello, viola da gamba, flute (baroque and modern), oboe, clarinet, bassoon, trumpet, French horn, recorder, lute, and classical guitar.

Students who contract for performing music instruction are charged at the rate of \$252 for a half-hour private lesson per week throughout the year. An additional fee of \$25 per year is charged to all performing music students for the use of a practice studio for one period daily. The fee for the use of a practice studio for harpsichord and organ is \$35. Performing music fees are payable in advance and can be returned or reduced only under limited conditions and upon the approval of the chairman of the Department of Music.

All students at Wellesley who take lessons in performing music are required to take or exempt 102 or [101 (1)].

Arrangements for lessons in performing music are made at the department office during the first week of the semester.

### Academic Credit

Music 344 is a special program whereby students receive academic credit for work done in performing music at Wellesley College. One to four units may be counted toward the degree provided at least two units of Grade III work in the literature of music are completed. Music 344 should ordinarily follow or be concurrent with such courses in the literature of music; not more than one unit may be elected in advance of election of Grade III work in the literature. Only one unit of 344 may be elected per term.

Permission to elect the first unit of 344 is granted only after the student has successfully auditioned for the department faculty upon the written recommendation of the instructor in performing music. This audition ordinarily takes place early in the second semester of the sophomore or junior year. Permission to elect subsequent units is granted only to a student whose progress in 344 is judged excellent.

## Performing Organizations

The following six organizations are a vital extension of the academic program of the Wellesley music department:

### The Wellesley College Choir

The Wellesley College Choir, with approximately 80 members, gives concerts on and off campus during the academic year, many of them with men's choirs. Endowed funds provide for at least one joint concert each year accompanied by a professional orchestra.

### The Wellesley Madrigal Singers

The Madrigal Singers are a chamber chorus of about 25 mixed voices. The organization elects its own student director.

### The Collegium Musicum

The Collegium Musicum, directed by a faculty member and several assistants, specializes in the performance of early music. Members of the Collegium enjoy the use of an unusually fine collection of historical instruments: harpsichords, recorders, krummhorns, shawm, violas da gamba, baroque violins, baroque and renaissance flutes, baroque oboe, sackbut, and lute.

Separate consort instruction is available in viola da gamba and recorder for both beginning and advanced players. Members of such groups are encouraged to take private instruction as well.

### The Chamber Music Society

The Chamber Music Society, supervised by a faculty member and assistants, presents three concerts each year, plus a number of diverse, informal programs.

### The Wellesley College Chamber Orchestra

The Wellesley College Chamber Orchestra is a student directed organization consisting of approximately 30 members. Its concerts include works from several periods for small orchestra, with possibilities for solo performance.

### The MIT Orchestra

Through the Wellesley-MIT cross-registration program, students on the Wellesley campus are eligible to audition for membership in the MIT Symphony Orchestra. Wellesley members of the orchestra have often held solo positions.

# Philosophy

Professor:

Stadler (Chairman), Putnam

Associate Professor:

Congleton

Assistant Professor:

Menkiti, L. Janik•, Flanagan, Chaplin, Winkler

Visiting Professor:

Stavrides<sup>3</sup>

## 101 (1) (2) Plato's Dialogues As an Introduction to Philosophy

1

An introduction to philosophy through a study of Plato's views of the nature of man and society, and of the nature of philosophical inquiry as found in the early and middle dialogues taking Socrates as their central concern.

Open to all students.

Mrs. Stavrides, Ms. Congleton

## 106 (1) (2) Introduction to Moral Philosophy

1

An examination of the methods by which intelligent moral decisions are made through an examination of the views of several major figures in the history of moral philosophy. An attempt to develop the capacity to recognize and critically analyze philosophical arguments pertinent to the resolution of concrete contemporary issues.

Open to all students.

Mr. Flanagan

## 119 (2)\* History of Science: Scientific Ideas and World Views

1

For description and prerequisite see Extradepartmental 119.

**150 (1) Colloquia**

**1**

For directions for applying see p. 46.  
Open by permission to a limited number of  
freshman and sophomore applicants.

a. Fact, fiction, and philosophy

Scientists, story tellers, and philosophers view  
the world from different perspectives. They  
seem to see different worlds and use different  
modes of expression to communicate what they  
see. In this colloquium students will explore  
these different approaches. Appreciation of the  
value of these diverse points of view and modes  
of expression will be encouraged.

Mrs. Putnam

b. Darwin, Marx, and Freud: pioneers of modern  
thought

An introduction to the thought of three 19th  
century thinkers who have provided the histori-  
cal framework for the contemporary period. Em-  
phasis will be placed on their interpretations of  
human nature and history. A specific interest of  
this colloquium will be the psychological pro-  
cess of discovery, the origins of new ideas, and  
the process of social acceptance and assimila-  
tion of ideas which may appear to threaten the  
intellectual establishment.

Mrs. Chaplin

**200 (1) (2) Modern Sources of Contemporary  
Philosophy**

**1**

A study of the work of Descartes, Hume, and  
Kant. The course is intended to introduce stu-  
dents to the most influential philosophers of  
modern times. Key concepts, terms, and argu-  
ments used by philosophers from the 17th cen-  
tury to the present day will be discussed. The  
course also provides preparation for more ad-  
vanced work both in contemporary philosophy  
and in the history of modern philosophy.  
Open to all students except freshmen in the first  
semester.

Mr. Flanagan

**202 (2)\* \*\*\* Introduction to African Philosophy**

**1**

For description and prerequisite see Black Stud-  
ies 202. Course alternates with Black Studies  
211.

Mr. Menkiti

**203 (2) Philosophy of Art**

**1**

An examination of some major theories of art  
and art criticism. Emphasis on the clarification of  
such key concepts as style, meaning, and truth,  
and on the nature of judgments and arguments  
about artistic beauty and excellence.

Open to freshmen who have taken one unit in  
philosophy, and to sophomores, juniors, and  
seniors without prerequisite.

Mrs. Stadler

Not offered in 1979-80.

**204 (1) Philosophy of Language**

**1**

An investigation of man as the unique user of  
language. The relationship of language capacity  
to rationality and morality will also be consid-  
ered. Readings for the first half of the course  
will include Whorf, Skinner, Chomsky, Piaget,  
and Vygotsky; for the second half, Wittgenstein.  
Prerequisite: same as for 203.

Ms. Congleton

**206 (1) Selected Problems in Moral Philosophy**

**1**

Focuses on a clarification of the nature of justice  
and of moral responsibility as discussed by ma-  
jor modern and contemporary philosophers. Ap-  
plication to current problems.

Prerequisite: same as for 203.

Mr. Menkiti

**211 (2) Philosophy of Religion**

**1**

An examination of basic problems regarding the  
nature of religion, the grounds of religious be-  
lief, and the character of ritual, with attention to  
both traditional and contemporary positions.

Prerequisite: same as for 203.

Mr. Menkiti

**215 (1) Knowledge and the Mind****1**

An investigation of selected problems in the fields of theory of knowledge and philosophy of mind. Topics for discussion will include: behaviorism and its critics; our knowledge of our own minds and of others'; human and nonhuman intelligence; intention and volition; skepticism, verification and belief; the scope and limits of human knowledge.

Open to sophomores, juniors, and seniors.

Mr. Flanagan

**216 (1) (2) Logic****1**

An introduction to the methods of symbolic logic and their application to arguments in ordinary English. Discussion of validity, implication, consistency, proof, and of such topics as the thesis of extensionality and the nature of mathematical truth.

Open to sophomores, juniors, and seniors.

Not recommended for freshmen.

Mrs. Putnam

**217 (2) Philosophy of Science****1**

A course for both science and nonscience majors to increase understanding and appreciation of scientific knowledge and the methods of scientists. An examination of concepts which philosophers of science have found to be particularly interesting, e.g., explanation, law, theory construction, experiment and observation, truth. Examples from the history of science and contemporary science, drawn from both the "hard" and the "soft" sciences.

Prerequisite: same as for 203.

Mr. Winkler

**220 (1) History of Modern Philosophy from the Renaissance to Kant****1**

An examination of the origins and development of modern philosophy, from the Renaissance re-discovery of classical thought, through the Scientific Revolution, to the French Enlightenment.

The course will concentrate on close study of major thinkers including Montaigne, Bacon, Pascal, Locke, Leibniz, and Diderot. Some attention will also be given to the interaction between philosophy and other intellectual developments in the period.

Prerequisite: 200 or other previous study of Descartes and Hume accepted as equivalent by the instructor.

Mr. Winkler

**221 (2) History of Modern Philosophy in the Nineteenth Century****1**

A study of the Post-Enlightenment philosophy, concentrating on the German tradition. Initial reading of Rousseau and Kant, as heirs of the Enlightenment, will be followed by study of selected texts from Hegel, Schopenhauer, and Nietzsche. Some attention will also be given to John Stuart Mill and Darwin, and to their place in the Victorian climate of thought.

Prerequisite: 200 or other previous study of Kant accepted as equivalent by the instructor.

Mr. Winkler

**222 (2)\* American Philosophy****1**

This course will be chiefly devoted to Pragmatism, as both the most influential and most distinctively American contribution to philosophy; special emphasis on the works of C. S. Peirce and John Dewey. Other topics will be the philosophical responses of Americans to such social crises as: the revolution, the issue of slavery, and the status of Black Americans. Offered in alternation with 338.

Prerequisite: 200.

Mrs. Putnam

**226 (1) History of Science: Historical Foundations of Twentieth Century Science****1**

For description and prerequisite see Extradepartmental 226.

**249 (1) Medical Ethics****1**

A philosophical examination of some central problems at the interface between medicine and ethics. Exploration of the social and ethical implications of current advances in biomedical research and technology. Topics discussed will include psycho-surgery, gender-surgery, genetic screening, amniocentesis, euthanasia.

Prerequisite: same as for 203.

Mr. Menkiti

**311 (1) Plato****1**

Intensive study of Plato's thought through detailed reading of selected dialogues. Attention will also be given to the influence of Socrates and Plato on subsequent philosophy.

Prerequisite: 101 or other study of Plato accepted as equivalent by the instructor.

Ms. Congleton



**320 (2) Seminar**

**1**

Topic for 1978-79: Nietzsche. Intensive studies in the philosophy of Nietzsche with some consideration of his position in the history of 19th century thought.

Prerequisite: 200.

Mrs. Stavrides

**326 (2) Philosophy of Law**

**1**

A systematic consideration of fundamental issues in the conception and practice of law. Such recurrent themes in legal theory as the nature and function of law, the relation of law to morality, the function of rules in legal reasoning, and the connection between law and social policy. Clarification of such notions as obligation, power, contract, liability, and sovereignty.

Readings will cover the natural law tradition and the tradition of legal positivism, as well as such contemporary writers as Hart and Fuller.

Open to qualified juniors and seniors, or by permission of the instructor.

Mr. Menkiti

**327 (2) Seminar. Ideas of Progress**

**1**

The aim is to discover what exactly is at issue in discussions of the debts which the arts, sciences, and philosophies of the 20th century owe to their respective historical antecedents. The seminar will examine texts in the history of art, science, and philosophy with a view to clarifying the measure of agreement between different answers to the questions of what progress is and how it is to be assessed. Readings will include Gombrich, Lakatos, and Collingwood. Offered jointly with MIT 21.751.

Open to juniors and seniors by permission of the instructor.

Mrs. Stadler, Mr. Kibel (MIT)

**328 (1) Problems in Twentieth Century Art and Philosophy**

**1**

Twelve major painters of the last 100 years, from Manet to Olitski, will be studied. Equal emphasis will be given to their stylistic development through a close study of individual paintings and to the critical issues raised by their work especially as these issues relate to the history of Modernist thought. Readings will include writings of the artists themselves, as well as relevant critical and philosophical texts. Offered jointly with MIT 21.753.

Open by permission of the instructor.

Mrs. Stadler, Mr. Ablow (Boston University)

**333 (1) Existential Philosophy and Phenomenology**

**1**

Central themes in contemporary European philosophy with special emphasis on the contributions of Søren Kierkegaard, Edmund Husserl, Martin Heidegger, and Jean-Paul Sartre.

Prerequisite: 200.

Mrs. Stavrides

**334 (2) Wittgenstein**

**1**

Intensive study of the philosophy of Wittgenstein, concentrating on the *Tractatus Logico-Philosophicus* and the *Philosophical Investigations*. Some attention to Wittgenstein's intellectual background and to his place in current philosophical discussion.

Open to qualified juniors and seniors, or by permission of the instructor.

Ms. Congleton

**338 (1)\* Equality**

**1**

A systematic philosophical examination of an ambiguous social ideal. Critique of traditional attempts to distinguish legal, political, and economic equality. Clarification of new questions raised by current controversies regarding racial and sexual equality as well as by the notion of equality of opportunity. The seminar is intended to elucidate the concept(s) of equality; to subject arguments for and against it to critical scrutiny, and to reveal how equality relates to other moral and social ideals. Offered in alternation with 222.

Prerequisite: at least one course in moral or social philosophy or in political theory, or consent of the instructor.

Mrs. Putnam

**350 (1) (2) Research or Individual Study**

**1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Thesis**

**2 to 4**

Open only to honors candidates. For alternate honors programs see Directions for Election.

## Directions for Election

Philosophy majors are expected to elect courses in at least two of the following fields: (1) logic or the philosophy of science; (2) history of philosophy, ancient or modern; (3) value theory, i.e., moral or political philosophy, or the philosophy of art. Students planning graduate work in philosophy are strongly advised to elect courses in all three fields, and, in particular, in logic.

In addition, students majoring in philosophy should develop a special competence either in the work of one major philosopher or in one problem of contemporary concern. Such competence may be demonstrated by passing a course on the Grade III level with an honors grade, by 350 work, or by submitting a substantial paper. Special arrangements can be made for students with strong interdepartmental interests.

A knowledge of Greek, French, or German is desirable. Students planning graduate work in philosophy should acquire a reading knowledge of two of these languages.

The department offers the following options for earning honors in the major field: (1) writing a thesis or a set of related essays; (2) a two-semester project which replaces the thesis with some of the activities of a teaching assistant; (3) a program designed particularly for students who have a general competence and who wish to improve their grasp of their major field by independent study in various sectors of the field. A student electing option (2) will decide, in consultation with the department, in which course she will eventually assist and, in the term preceding her teaching, will meet with the instructor to discuss materials pertinent to the course. Option (3) involves selecting at least two related areas and one special topic for independent study. When the student is ready, she will take written examinations in her two areas and, at the end of the second term, an oral examination focusing on her special topic.

# Physical Education

Associate Professor:  
Vaughan (Chairman)

Assistant Professor:  
Burling, Batchelder, Charles, Cochran, Temin

Instructor:  
Earle, Hughes, Jannarone, La Peer<sup>3</sup>, Rappoli, Hansa<sup>3</sup>, Baraka<sup>3</sup>, Paul<sup>3</sup>, Nutt<sup>3</sup>, Samelson<sup>3</sup>

## 121 (1-2) Physical Education Activities

The instructional program in physical education is divided into four seasons, two each semester. To complete the College work in physical education a student must earn 8 credit points within the first two years. These credit points do not count as academic units toward the degree, but are required for graduation. Most activities give 2 credit points each season, but certain activities give 3 or more credit points. Each activity is divided into skill levels to provide instruction in homogeneous groups. Special fees are charged for a few courses and are listed in the course descriptions. More detailed information on specific course offerings, skill levels, prerequisites, and numbers of points may be found in the Department of Physical Education Curriculum Handbook which is sent to entering students and is distributed to each student prior to registration. The total program of activities offered in 1978-79 in very general terms follows.

## **235 (1) Nineteenth and Twentieth Century Dance**

**1**

For description and prerequisite see Extra-departmental 235.

**(1)**

Scheduled throughout the first semester

Advanced Life Saving and Aquatic Safety  
Aerobic Running  
Ballet  
First Aid  
Horseback Riding  
Modern Dance  
Self Defense  
Swimming

### **Season 1. Scheduled in first half of first semester**

Archery  
Canoeing  
Crew  
Dance  
Field Hockey: The Game  
Golf  
Hiking and Outdoor Study  
Individual Exercise Activities  
Jazz  
Mask, Fin and Snorkel  
Sailing  
Soccer  
Swimming  
Tennis  
Volleyball  
Yoga

### **Season 2. Scheduled in second half of first semester**

Badminton  
Dance  
Fencing  
First Aid  
Gymnastics  
Individual Exercise Activities  
Jazz  
Scuba Diving  
Seminar. Sport in Society  
Squash  
Swimming  
Trampoline  
Volleyball  
Yoga

**(2)**

Scheduled throughout the second semester

Advanced Life Saving and Aquatic Safety  
Aerobic Running  
Ballet  
Modern Dance  
Self Defense  
Swimming  
Yoga

### **Season 3. Scheduled in first half of second semester**

Badminton  
Cross-Country Skiing  
Dance  
Downhill Skiing  
Fencing  
Gymnastics  
Human Performance: Physio-Perspectives  
Individual Exercise Activities  
Lacrosse: Skills and Conditioning  
Mask, Fin and Snorkel  
Squash  
Swimming  
Trampoline  
Volleyball  
Yoga

### **Season 4. Scheduled in second half of second semester**

Archery  
Canoeing  
Crew  
Dance  
First Aid  
Golf  
Hiking and Outdoor Study  
Horseback Riding  
Individual Exercise Activities  
Sailing  
Scuba Diving  
Seminar. Sport in Society  
Soccer  
Swimming  
Tennis  
Yoga

**Intercollegiate Program**

There are opportunities for those who enjoy competition to participate on one of the intercollegiate teams presently sponsored by the department and the Sports Association.

These teams include:

Basketball  
Crew  
Fencing  
Field Hockey  
Lacrosse  
Sailing  
Squash  
Swimming and Diving  
Tennis  
Volleyball

# Physics

Professor:

Fleming (Chairman), Brown

Assistant Professor:

Ducas, Brecher, Papaefthymiou<sup>3</sup>

Laboratory Instructor:

Benson<sup>3</sup>, Roberts<sup>3</sup>

Unless otherwise noted all courses meet for two periods of lecture and discussion weekly and all Grade I and Grade II courses have one three-hour laboratory appointment weekly.

**Directions for Election**

Each student is expected to complete a minimum of two seasons a year until Physical Education 121 is completed. A student may elect a course which is scheduled throughout a semester, two courses concurrently, or may choose not to elect a course during some seasons.

Students should select courses which meet their present and projected interests in physical activities. It is hoped that students will gain knowledge of the relation of physical activity to the maintenance of general well-being; that they will achieve a level of ability, understanding, and participation in sports, dance, and/or exercise so that they may experience satisfaction and enjoyment; and that they will be able to swim with sufficient skill to participate safely in recreational swimming and boating.

A student's choice of activity is subject to the approval of the department and the College Health Services. Upon recommendation of a College physician and permission of the department, a student may enroll in a modified program.

Students may continue to enroll in physical education after Physical Education 121 is completed. Members of the faculty may elect activities with the permission of the department.

**101 (2) Physics in Perspective**

1

A qualitative overview of the evolution of physics, from classical to modern concepts. An introduction to the methodology and language of physics. Laboratory in alternate weeks. Not to be counted toward minimum major, or to fulfill entrance requirement for medical school. Open to all students.

Not offered in 1978-79.

Mrs. Brecher

Offered in 1979-80.

**102 (1)\* Physics of Perception and Aesthetics**

1

Qualitative discussion of some of the physical problems arising in psychology, art, and music. Each student will write a final paper applying physical principles to a particular field of interest. Laboratory in alternate weeks. Not to be counted toward the minimum major, or to fulfill entrance requirement for medical school. Open to all students.

### 103 (2) Contemporary Problems in Physics 1

Consideration of selected aspects of physics and physical concepts in their relationship to contemporary societal problems. Topic for 1978-79: Physics of whales and porpoises. Various aspects of these unusual mammals will be explored and viewed in the light of the physical principles they embody. Areas covered include: diving, acoustics, and movement through fluids. Each student will write a final paper on a particular topic. Laboratory in alternate weeks. Not to be counted toward the minimum major, or to fulfill entrance requirement for medical school.

Open to all students.

Mr. Ducas

### 104 (1) Basic Concepts in Physics 1

Mechanics including: statics, dynamics, and conservation laws. Introduction to waves. Basic principles of calculus will be introduced as needed. Laboratory appointments in alternate weeks. Open to all students who do not offer physics for admission and by permission of the instructor to juniors and seniors who offer physics for admission. Beginning in 1979-80 this course will be offered in the second semester and will have an additional prerequisite of Mathematics 115. Beginning in 1980-81, 106 will be offered in the first semester.

Mr. Ducas, Miss Papaefthymiou

### 105 (1) General Physics I 1

Elementary mechanics and applications to gravitation and planetary motions; introduction to wave phenomena; a special topic of classical physics, such as thermodynamics; fluids. Open to students who offer physics for admission and are not eligible for 110. A knowledge of geometry, trigonometry and elementary calculus is a prerequisite. Beginning 1979-80 this course will be offered in the second semester and will have an additional prerequisite of Mathematics 115. Beginning in 1980-81, 106 will be offered in the first semester.

Mrs. Brecher

### 106 (2) General Physics II 1

Electricity and magnetism; wave phenomena and optics. Biological examples. Two periods weekly with a third period every other week. Prerequisite: 104 or 105 and Mathematics 115 or [108] or [110], or by permission to students who offer physics for admission. Beginning in 1980-81, this course will be offered in the first semester.

Mrs. Brecher, Miss Papaefthymiou

### 110 (1) Advanced General Physics 1

Mechanics, wave motion, optics. Two periods weekly with a third period every other week. Open to students who offer physics for admission and have completed Mathematics 115; or by permission of the instructor to students who offer no physics and who have completed Mathematics 116 or [111]. A student who successfully completes 110 is eligible for Grade II work in physics.

Miss Fleming

### 200 (2) Modern Physics 1

Basic principles of relativity and quantum theory, and of atomic and nuclear structure. Prerequisite: 106 or 110 and Mathematics 115 or [111].

Mr. Ducas

### 201 (2) Electricity and Magnetism 1

Fundamental laws of electric and magnetic fields; electric circuits; electric and magnetic properties of matter. Laboratory includes practice in the use of the oscilloscope and other measuring instruments.

Prerequisite: 106 or 110, and Mathematics 116 or [111].

Miss Fleming

### 202 (1) Optical Physics 1

Wave theory as applied to optical phenomena. Interference, diffraction, coherence, polarization, dispersion, resolution. Introduction to modern optics including lasers and holography. Prerequisite: same as for 201.

Ms. Brown

### 216 (2) Mathematics for the Physical Sciences 1

For description and prerequisite see Extradepartmental 216.

**222 (1) Medical Physics****1**

Biological applications of physics. Such areas as mechanics, electricity and magnetism, and thermodynamics will be investigated.

Prerequisite: 106 or 110 and Mathematics 115, or permission of the instructor.

Mr. Ducas

**249 (1)\* Selected Topics****1**

Topics selected from areas not covered in the general physics courses. Normally a different topic each year. No laboratory.

Prerequisite: 216 or Mathematics 116 or the equivalent, or permission of the instructor.

Not offered in 1978-79.

Offered in 1979-80.

**305 (2)\* Thermodynamics****1**

The laws of thermodynamics; kinetic theory of gases; statistical mechanics.

Prerequisite: 106 or 110, and one Grade II course; 216 or Mathematics 201 or 215 or [208].

Ms. Brown

**306 (1) Mechanics****1**

A vector analytical presentation of Newtonian mechanics with emphasis on central fields, rotational motion, and small vibrations; Lagrange's equations.

Prerequisite: 201 or 202; 216; or permission of the instructor.

Ms. Brown

**314 (2) Electromagnetic Theory****1**

Maxwell's equations, boundary value problems, special relativity, electromagnetic waves, and radiation.

Prerequisite: 201 and 306 and 216 or Mathematics 215 or [208].

Ms. Brown

**321 (1) Quantum Mechanics****1**

Introduction to quantum physics: the classical limit, crucial experiments, basic concepts, solutions to the Schrodinger equation; operator formalism and matrix mechanics; the hydrogen atom; a special topic—such as perturbation theory—if time permits.

Prerequisite: Grade II physics courses; 216 or Mathematics 210; 306 or 314 are strongly recommended.

Mrs. Brecher

**349 (2)\* Selected Topics****1**

Advanced topics of mutual interest to faculty and students. Examples: Random signals and noise; atomic and molecular physics; solid state; laser physics; astrophysics. Students will report on topics of special interest.

Prerequisite: 321 or special permission.

The Staff

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Directions for Election**

Credit will be given for only one of the following courses: 104, 105, 110.

A major in physics should ordinarily include 201, 202, 306, 314, and 321. Extradepartmental 216 or Mathematics 216 or [208] is an additional requirement. One unit of another laboratory science is recommended.

A reading knowledge of two of the following languages is desirable for students planning to attend graduate school: French, German, Russian.

**Exemption Examination**

An examination for exemption from Physics 110 is offered to students who present one admission unit in physics. Students who pass this examination will be eligible for Grade II work in physics. No unit of credit will be given for passing this examination.

# Political Science

Professor:  
Evans, Miller, Schechter

Associate Professor:  
Stettner (Chairman), Just

Assistant Professor:  
Sullivan, Grindle, Paarlberg, Sheppard<sup>3</sup>

Instructor:  
Krieger, Sanchez-Jankowski<sup>3</sup>

Visiting Professor:  
Kanza<sup>3</sup>

## 101 (1) (2) Introduction to Politics

**1**  
Study of political conflict and consensus, or "who gets what, when, and how." Topics include ways in which political systems deal with problems of leadership, economic development, social and racial inequality. Comparison of democratic and authoritarian systems, including the United States, Great Britain, Nazi Germany, and the People's Republic of China. Emphasis on the relationship between political thought, institutions, and policy problems. Readings from Rousseau, Madison, Mill, Hitler, Marx, Lenin, and Mao as well as contemporary political analysts. Strongly recommended for all further work in political science.  
Open to all students.

The Staff

## Comparative Politics

### 204 (1) Political Economy of Development and Underdevelopment

**1**  
An analysis of the national and international context of political and economic problems in Third World countries, with special consideration of major explanations of development and underdevelopment. Topics discussed include colonialism, industrialization, rural development, and economic dependency; constraints of political and economic structures on national decision-making; and the potential for change. The course will include case studies of specific political systems.  
Prerequisite: one unit in political science, economics, or European history; open to juniors and seniors without prerequisite.

Mr. Sullivan

### 205 (1) Politics of Western Europe

**1**  
A comparative study of democratic politics in Western Europe. The course will focus on political development in Great Britain, France, and Germany and will examine the role of political culture, parties, interest groups, and leaders in the political process. Contemporary problems in civil rights, economics, and European integration will be explored.  
Prerequisite: one unit in political science or European history; open to juniors and seniors without prerequisite.

Mrs. Just

### 207 (2) Politics of Latin America

**1**  
An analysis of political and economic problems of Latin America, including alternative explanations of development and underdevelopment in the region. The course will focus on major national problems such as urbanization, rural development and agrarian reform, economic dependency, industrialization and redistribution and explore the political consequences of public policies formulated to deal with these issues. Special consideration given to the political systems of Mexico, Brazil, Peru, Argentina, and Chile.  
Prerequisite: one unit in political science; by permission to other qualified students.

Ms. Grindle

**209 (1) African Politics****1**

An examination of the politics of Africa, with special emphasis on relations among African countries and between Africa and the rest of the world. Attention will be paid to the problems of decolonization, national integration, and to the crisis in southern Africa.

Prerequisite: one unit in political science; by permission to other qualified students.

Mr. Kanza

**300 (2) Politics of East Asia****1**

National and international politics of China and Japan. The People's Republic of China will be considered as an experiment in a radical political ideology and a response to the problems of economic development. Study of Japan will emphasize contemporary voting behavior and bureaucratic politics.

Prerequisite: two units in political science or one unit in Asian history.

Mr. Sullivan

**301 (1) Politics of the Soviet Union and Eastern Europe****1**

Study of the ideology and political organization of Soviet and Eastern European Communism since the 1917 Bolshevik Revolution. Topics include theory and practice of Marxism-Leninism and Stalinism, internal politics of the Communist Party, Soviet education and public opinion, and varieties of socialist democracy in contemporary Eastern Europe.

Prerequisite: two units in political science or Russian language and/or history.

Mr. Sullivan, Ms. Mickiewicz

**304 (2) Studies in Political Leadership****1**

The interaction of psychology and politics will be emphasized in conceptual approaches and case studies. Special attention will be given to U.S. presidents as political leaders and women as political leaders. Individual research and student reports.

Open to students who have taken one Grade II unit in international relations, American or comparative politics, or by permission of the instructor.

Miss Miller

**305 (1) Seminar****1**

Topic for 1978-79: The military in politics. A comparative exploration of the role of the military in the political process. Why and how does the military become involved in politics? What are the consequences of its involvement for the society and for the military as an institution? Special attention to military and civilian elite interaction, causes of military coups, decision making styles, and policy outcomes in military regimes. Case studies drawn from experiences in the U.S., Western Europe, and the Third World. Open to juniors and seniors by permission of the instructor.

Ms. Grindle

**306 (1) Seminar****1**

Normally a different topic each year.

Not offered in 1978-79.

**American Politics****200 (1) (2) American Politics****1**

The dynamics of the American political process: constitutional developments, erosion of congressional power and the rise of the presidency, impact of the Supreme Court, evolution of federalism, the role of political parties, elections and interest groups. Emphasis on political values and their influence on both institutions and policies. Analysis of contemporary problems, including political corruption, racial conflict, individual liberties, urbanization, environmental disruption, inflation, and unemployment. Recommended for further work in American law and politics. Not open to students who have taken [211]. Prerequisite: one unit in political science, economics, or American studies, or by permission of the instructor.

Mr. Schechter, Ms. Grindle, Mr. Sheppard



**210 (1) Voters, Parties and Elections****1**

Analysis of political behavior in America. The role of interest groups and public opinion in policy issues. Study of voting decisions, political campaigns, party organization, and the meaning of elections. Special topics include the use of media and technology in campaigns, political alienation, and structural reform.

Prerequisite: two units in political science or American history or sociology, or by permission of the instructor.

Mrs. Just

**212 (2) Urban Politics****1**

Introduction to contemporary urban problems. Analysis of the various perspectives on the nature of urban and suburban problems and policies. Evaluation of the formation, implementation, and impact of selected urban policies concerning housing, education, race, criminal justice, welfare, finances, transportation. Examination of trends in national urban policy, intergovernmental relations, and patterns of political involvement and conflict. Opportunities for group and individual field work in the metropolitan Boston area.

Prerequisite: one Grade II unit in American politics, two units in American history, sociology, or economics, or by permission of the instructor.

Mr. Sanchez-Jankowski

**310 (2) Political Decision-Making in the United States****1**

Analysis of the policy-making process based on simulation of decision-making in executive, legislative, and/or judicial units at different levels of government in the United States. Four or five nationally important questions considered with all class members playing roles as advocates, witnesses, decision-makers, or analysts; evaluation of role-playing and extent to which relevant considerations are taken into account in reaching decisions.

Prerequisite: one Grade II unit in American politics or permission of the instructor.

Mr. Schechter

**313 (1) American Presidential Politics****1**

Analysis of the central role of the President in American politics, and the development and operation of the institutions of the modern presidency, including the White House staff, the Office of Management and Budget, the Council of Economic Advisors, and the National Security Council. The course will focus on sources of presidential power and limitations on the chief executive, with particular emphasis on congressional relations and leadership of the federal bureaucracy. Case studies will be drawn from recent administrations.

Prerequisite: 200, or the equivalent, or by permission of the instructor.

Mr. Paarlberg

**314 (2) Congress and the Legislative Process****1**

An examination of the structure, operation, and political dynamics of the U.S. Congress and other contemporary legislatures. Emphasis will be on Congress: its internal politics, relations with the other branches, and responsiveness to interest groups and the public. The course will analyze the sources and limits of Congressional power, and will familiarize students with the intricacies of lawmaking.

Prerequisite: 200, or 210, or by permission of the instructor.

Mr. Sheppard

**315 (1) Bureaucratic Politics****1**

Analysis of the American federal bureaucracy with emphasis on the role executive agencies play in the formulation and implementation of public policies. Examination of the sources and strategies of bureaucratic influence. Study of the relationships between federal agencies and the Congress, interest groups, and the presidency.

Prerequisite: 200 or permission of the instructor.

**317 (2) Seminar**

**1**

Topic for 1978-79: Mass media, public opinion, and the political agenda. Analysis of development and treatment of contemporary political issues in the mass media and the written press. Relevant topics in political behavior will also be explored. How do people learn about politics? How consistent or mutable are popular opinions? How does public opinion influence or constrain democratic leadership? Why are some groups more successful than others in gaining access to the political agenda? Comparison will be made of the development of issues such as the Viet Nam War, school desegregation, national health insurance, and ERA. Each participant will be expected to follow the treatment of a contemporary issue in specific media sources. Open to juniors and seniors by permission of the instructor.

Mrs. Just

**318 (2) Field Research Seminar in Public Policy**

**1**

A seminar combining student internships in governmental agencies or public interest groups with investigation of a particular area of public policy. Emphasis on such topics as health or welfare policy. Class sessions will explore substance of the policies, and procedures and structures of the different agencies in which interns have been placed.

Open to juniors and seniors by permission of the instructor.

Mr. Sheppard

**International Relations**

**221 (1) (2) World Politics**

**1**

An introduction to the international system with emphasis on contemporary theory and practice. Analysis of the bases of power and influence, the policy perspectives of principal states, and the modes of accommodation and conflict resolution.

Prerequisite: one unit in political science or permission of the instructor.

Miss Miller

**222 (2) Comparative Foreign Policies**

**1**

An examination of factors influencing the formulation and execution of national foreign policies in the contemporary international system. Comparisons and contrasts between "advanced" and "developing" countries will be stressed, especially the varying significance of domestic sources of foreign policy in Western and non-Western settings.

Prerequisite: one unit in international relations or comparative politics.

Mr. Paarlberg

**321 (1) The United States in World Politics**

**1**

An examination of American foreign policy since 1945. Readings will include general critiques and case studies designed to illuminate both the processes of policy formulation and the substance of policies pursued. Consideration of future prospects and current research strategies. Prerequisite: one unit in international relations or permission of the instructor.

Miss Miller

**323 (1) The Politics of Economic Interdependence**

**1**

A review of political strategies for coping with global economic interdependence. Emphasis on the promise and performance of national, regional, international, and transnational organizations, including multi-national corporations, in response to demands for a new international economic order. Global issues discussed will include food, oil, terms of trade, population, income inequality, and resource depletion.

Prerequisite: one unit in international relations or comparative politics.

Mr. Paarlberg

**324 (2) International Security**

**1**

War as the central dilemma of international politics. Shifting causes and escalating consequences of warfare since the industrial revolution. Emphasis on the risk and avoidance of armed conflict in the contemporary period, the spread of nuclear and conventional military capabilities, arms transfers, arms competition, and arms control.

Prerequisite: same as for 321.

Mr. Paarlberg

Not offered in 1979-80.

**325 (2) Seminar****1**

Topic for 1978-79: The superpowers—friends and enemies? An exploration of the dual nature of the Soviet-American relationship. The performance of the two countries as limited adversaries and partial collaborators will be studied, as revealed in their responses to a variety of global issues, including strategic arms, trade, cultural exchanges, alliance management, human rights, the role of China, and the Arab-Israeli conflict. Individual reports and a foreign policy game. Open to juniors and seniors by permission of the instructor.

Miss Miller

**Legal Studies****330 (1) (2) Law and the Administration of Justice****1**

Fundamentals of the American legal process, including development of common law, courts and judges, civil and criminal proceedings, consumer rights and duties, criminal liability, interaction of law and politics, limits of a legal system, some comparison with Civil Law System. Legal research and moot court practice. Recommended for further work in legal studies. Prerequisite: two Grade II units in political science or related disciplines; and by permission of the instructor to sophomores.

Miss Evans

**331 (1) International Law****1**

The law applicable to the relations of States, international organizations, and individuals in the international community, considering law-making processes, settlement of public and private disputes, national claims to marine areas, control of international terrorism, nationality and alienage, regulation and protection of foreign trade and investments, revision of laws of war. Legal research and moot court practice. Open to students who have taken 330 or two units in international relations, or by permission of the instructor.

Miss Evans

**332 (1) The Supreme Court in American Politics****1**

Analysis of major developments in constitutional interpretation, the conflict over judicial activism, and current problems facing the Supreme Court. Emphasis will be placed on judicial review, the powers of the President and of Congress, federal-state relations, and individual rights and liberties. Each student will take part in a moot court argument of a major constitutional issue. Prerequisite: two Grade II units in political science, including one in American politics; or 330; or permission of the instructor.

Mr. Schechter

**333 (2) Seminar****1**

Topic for 1978-79: Law and social change—emerging constitutional rights of women and racial minorities. Analysis of contemporary legal, political, and administrative issues. Focus on the equal protection clause of the Fourteenth Amendment, and statutes such as Title VII of the 1964 Civil Rights Act. The seminar will examine the role of interest groups, political leaders, bureaucrats, and judges in conflicts such as employment discrimination, affirmative action programs, school segregation, housing for the poor and racial minorities, welfare rights. Prerequisite: 332 or the equivalent and permission of the instructor.

Mr. Schechter

**334 (2) The Criminal Justice System****1**

An examination of how the criminal justice system works, considering the functions of police, prosecutor, defense counsel, and court in the processing of criminal cases; uses of discretionary power in regard to international and national rendition of fugitive offenders, arrest, bail, plea bargaining, and sentencing; changing perceptions of the rights of offenders and victims; current problems in criminal law. Legal research and moot court practice.

Prerequisite: 330 or permission of the instructor.

Miss Evans

## Political Theory and Methods

### 240 (1)\* Classical and Medieval Political Theory 1

Study of selected classical, medieval, and early modern writers such as Plato, Aristotle, Cicero, St. Augustine, St. Thomas Aquinas, Machiavelli, Luther, Calvin, and Hooker. Views on such questions as nature of political man; interpretations of the concepts of freedom, justice, and equality; legitimate powers of government; best political institutions. Some attention to historical context and to importance for modern political analysis. Offered in alternation with 340.

Prerequisite: one unit in political science, philosophy, or European history.

Not offered in 1978-79.

Mr. Stettner

Offered in 1979-80.

### 241 (2) Modern Political Theory 1

Study of political theory from the 17th to 19th centuries. Among the theorists studied are Hobbes, Locke, Hume, Rousseau, Burke, Mill, Hegel, Marx, and Nietzsche. Views on such questions as the nature of political man; interpretations of the concepts of freedom, justice, and equality; legitimate powers of government; best political institutions. Some attention to historical context and to importance for modern political analysis.

Prerequisite: one unit in political science, philosophy, or European history.

Mr. Stettner

### 242 (1) Contemporary Political Theory 1

Study of selected 20th century political theories, including Marxism-Leninism, Social Democracy, Fascism, Neo-conservatism. Attention will be paid to theories leading to contemporary approaches to political science, including elite theory, group theory, functionalism, and theories of bureaucracy.

Prerequisite: one unit in political theory; 241 is strongly recommended.

Mr. Krieger

### 249 (2) Political Science Laboratory 1

The role of empirical data and the use of the computer in the study of comparative politics, public opinion, and political behavior. Frequent exercises introduce students to topics in descriptive statistics, probability and sampling, questionnaire design, cross tabulation; tests of significance, regression, correlation and modeling. Emphasis is on concepts in data analysis. No previous knowledge of mathematics, statistics, or computing is required.

Prerequisite: one Grade II unit in political science or permission of the instructor.

Mrs. Just

### 340 (1)\* American Political Thought 1

Examination of American political writing, with emphasis given to the Constitutional period, Progressive Era, and to contemporary sources. Questions raised include: origins of American institutions, including rationale for federalism and separation of powers, role of President and Congress, judicial review, etc.; American interpretations of democracy, equality, freedom and justice; legitimate powers of central and local governments. Attention paid to historical context and to importance for modern political analysis. Offered in alternation with 240.

Prerequisite: Grade II work in political theory, American politics, or American history, or by permission of the instructor.

Mr. Stettner

Not offered in 1979-80.

### 341 (2) Issues and Concepts in Political Theory 1

Study of such political concepts as freedom, justice, equality, democracy, power, revolution, civil disobedience, and political obligation. Discussion of related issues, including implications for political systems of adopting these concepts and problems which result when these values conflict with one another. Emphasis on contemporary political problems and sources.

Prerequisite: two Grade II units in political science, philosophy, or intellectual history, or by permission of the instructor.

Mr. Krieger

**349 (1) Seminar****1**

Topic for 1978-79: An examination of selected topics in Marxist political thought. Emphasis on Marx's theories of alienation and ideology, and on Lenin's additions to, and alterations of, Marxist thought. Some attention to contemporary Soviet and Chinese ideological formulations. Open to juniors and seniors by permission of the instructor.

Mr. Krieger

**350 (1) (2) Research or Individual Study****1 or 2**

Individual or group research of an exploratory or specialized nature. Students interested in independent research should request the assistance of a faculty sponsor, and plan the project, readings, conferences, and method of examination with the faculty sponsor. Open to juniors and seniors by permission.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Wellesley-MIT Course Exchange**

Course for 1978-79: To be announced.

**Directions for Election**

A major in political science may be broad in scope, or it may have a special focus, e.g., metropolitan regional problems, environmental politics, area studies, international politics, legal problems of minorities, political ethics. Political Science 101, which provides an introduction to the discipline of political science, is strongly recommended for students planning to major. The department offers courses, seminars, and research or independent study in five fields: American politics, comparative politics, international relations, legal studies, political theory and methods. Of the eight units comprising a minimum major, two units must be taken in each of three of these five fields. At least three of these six distribution units must be taken in the Department of Political Science at Wellesley. Units taken at another institution in order to fulfill the field requirement must be approved by the department.

Graduate work in political science leading to the Ph.D. usually requires a reading knowledge of two foreign languages and, for many specialties, a knowledge of statistical techniques or an introduction to the calculus.

Students participating in the Wellesley Washington Summer Internship Program or the Wellesley Urban Politics Summer Internship Program may arrange with the respective directors to earn credit for independent study.

The experimental exchange of faculty and courses between the political science departments of Wellesley and MIT will be announced.

# Psychology

Professor:  
Zimmerman, Dickstein

Associate Professor:  
Furumoto, Schiavo (Chairman)

Assistant Professor:  
Clinchy, Finison<sup>3</sup>, Rierdan, Koff<sup>•</sup>, Sheingold,  
Schwartz, Wolf, Littenberg<sup>3</sup>, Bradner<sup>3</sup>

Assistant Visiting Professor:  
Kleinke

Instructor:  
Pillemer<sup>3</sup>

Lecturer:  
Stiver<sup>3</sup>

Research Assistant:  
Eister

Teaching Assistant:  
O'Brien

## 101 (1) (2) Introduction to Psychology

1

Study of selected research problems from areas such as personality development, learning, cognition, and social psychology to demonstrate ways in which psychologists study behavior. Open to all students.

Miss Zimmerman, Mrs. Bradner, Mr. Pillemer

## 201 (1) (2) Statistics

1

The application of statistical techniques to the analysis of psychological data. Major emphasis on the understanding of statistics found in published research and as preparation for the student's own research in more advanced courses. A considerable part of the course will be devoted to laboratory exercises in and out of class. Three periods of combined lecture-laboratory. Additional optional periods may be arranged for review and discussion.  
Prerequisite: 101.

Mr. Finison, Mr. Kleinke

## 207 (1) (2) Child Development

1

Behavior and psychological development in infancy and childhood. Theory and research pertaining to personality, social, and cognitive development are examined. Three periods of lecture, discussion, demonstration, and observation of children.

Prerequisite: 101.

Mrs. Clinchy, Ms. Sheingold

## 207R (1) (2) Research Methods in Developmental Psychology

1

An introduction to research methods appropriate to the study of human development. Individual and group projects. Laboratory. Each section typically limited to twelve students. Not open to students who have taken or are taking 210R or 212R.

Prerequisite: 201 and 207.

Mrs. Clinchy, Ms. Sheingold

## 210 (1) (2) Social Psychology

1

The individual's behavior as it is influenced by other people and the social situation. Study of social influence, interpersonal perception, social evaluation, and various forms of social interaction. Three periods of lecture, discussion, and demonstration.

Prerequisite: 101.

Mr. Schiavo, Mr. Kleinke

## 210R (2) Research Methods in Social Psychology

1

An introduction to research methods appropriate to the study of social psychology. Individual and group projects on selected topics. Laboratory. Each section typically limited to twelve students. Not open to students who have taken or are taking 207R or 212R.

Prerequisite: 201 and 210.

Mr. Kleinke

## 212 (1) (2) Personality

1

Selected theories of personality as applied to the normal individual. Some emphasis on relation of theories to selected topics and/or case studies.

Prerequisite: 101.

Mr. Dickstein, Ms. Rierdan, Mr. Schwartz

**212R (1) (2) Research Methods in Personality**  
**1**

An introduction to research methods appropriate to the study of personality. Individual and group projects. Laboratory. Each section typically limited to twelve students. Not open to students who have taken or are taking 207R or 210R.

Prerequisite: 201 and 212.

Mr. Dickstein, Ms. Rierdan, Mr. Schwartz

**215 (2) Comparative Psychology****1**

Study of the behavior of a variety of animal species to provide insight into basic psychological processes and behavior patterns such as learning, cognition, communication, consciousness, courtship, mating behavior, and parenting. Course will include laboratory and field observations.

Prerequisite: 101.

Ms. Furumoto

**216 (2) Psycholinguistics****1**

Consideration of psychological theories of language, including such topics as origins and evolution of language, animal communication, language acquisition, biological basis of language, and the relation between language and thought.

Prerequisite: 101.

Ms. Wolf

**217 (1) Cognitive Processes****1**

Examination of basic issues and research in human information processing, including topics from attention and pattern recognition; memory and conceptual processes; judgment, reasoning, and problem-solving.

Prerequisite: 101.

Ms. Wolf

**218 (2) Sensation and Perception****1**

Survey of theoretical and experimental approaches to selected topics in sensation and perception, including sensory receptor processes; auditory and visual perceptual phenomena; perceptual learning and adaptation; influence of the social and personal variables.

Prerequisite: 101.

Ms. Wolf

**219 (1) Learning****1**

Conditioning, verbal learning, and memory will be discussed. There will be an emphasis on in-class exercises demonstrating principles of learning and a consideration of their relevance to everyday learning situations.

Prerequisite: 101.

Ms. Furumoto

**220R (1) Research Methods in Experimental Psychology****1**

An introduction to research methods employed in experimental psychology including the fields of learning, information processing, animal behavior, and cognition. Group and individual projects. Opportunity for student selection of an appropriate independent project. Laboratory.

Prerequisite: 101 and 201 (201 may be taken concurrently); and 216 or 217 or 218 or 219 or 245.

Ms. Furumoto

**245 (1) Neuropsychology****1**

Study of the structure and function of the nervous system with particular emphasis on the brain. Normal and pathological relationships between brain processes and such aspects of human behavior as motivation, consciousness, memory, learning, and language will be considered. Readings will include human experimental and clinical studies and relevant animal studies.

Prerequisite: 101.

Not offered in 1978-79.

**300 (1) (2) Seminar****1**

Study of the Keller Plan method of learning and teaching, which permits a student to move through course material at her own pace. Seminar members construct materials for the Keller Plan portion of 101, act as Keller advisors to 101 students for five weeks, and later evaluate the Keller Plan work. Advantages and disadvantages of Keller Plan learning; some comparison of Keller Plan and other innovative teaching programs in colleges.

Open by permission of the instructor to students who have taken 101.

Miss Zimmerman

**301 (1) (2) Seminar**
**1**

The role of sex-typing in childhood socialization. The development of sex-role behaviors, standards, and identifications will be considered, with emphasis upon the processes through which sex-typed behaviors are socialized.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units, including 207.

Not offered in 1978-79.

**303 (2) The Psychological Implications of Being Female**
**1**

Consideration of some of the changing patterns in the behavior of women, including literature in the area of sex differences. Some of the following topics will be examined: theoretical formulations of the psychology of women; female sexuality; men's liberation; results of research on sex differences in humans and animals; social determinants of sex-stereotyped behavior.

Open to juniors and seniors who have taken two Grade II units and by permission of the instructor to other qualified students.

Ms. Littenberg

**306 (1) Special Topics in Personality**
**1**

Topic for 1978-79: States of consciousness. An examination of various conceptual and empirical issues in consciousness study. Topics considered will include sleep and dreams, hypnosis and the induction of dissociated states, biofeedback, childhood states of consciousness, the unconscious, psychotic and hallucinogenic states, drug-induced states, and cross-cultural and psychotherapeutic concerns.

Open to juniors and seniors who have taken two Grade II units and by permission of the instructor to other qualified students.

Mr. Schwartz

**307 (1) Adolescence**
**1**

Consideration of physical, cognitive, social, and personality development during adolescence. Emphasis will be on recent research.

Prerequisite: same as for 303.

Mrs. Bradner

**309 (1) (2) Abnormal Psychology**
**1**

Consideration of major theories of neurosis and psychosis. Illustrative case materials. Selected issues in prevention and treatment of emotional problems.

Open to juniors and seniors who have taken two Grade II units, including 212.

Ms. Rierdan, Mrs. Stiver

**310 (2) Seminar**
**1**

The acquisition of schizophrenic behavior. A definition of "schizophrenia" will be attempted through consideration of theoretical models, case studies, and autobiographical reports. Different approaches to explaining the acquisition of schizophrenia, as well as strategies for the change of schizophrenic behavior, will be considered.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units, including 212.

Ms. Rierdan

**311 (2) Seminar. Social Psychology**
**1**

Psychological study of family interaction. Application of social psychological variables and small group theories to the study of the internal processes of family interaction. Topics will include power, decision-making, coalition formation, conflict resolution, and privacy. The approach will consider both marital interaction and processes involving the family as a unit. Some consideration given to the research methods used to study family interaction.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units, including 210.

Mr. Schiavo

**312 (2) Seminar**
**1**

Topic for 1978-79: Psychology of death. An examination of the psychological meaning of death to the individual. Topics to be covered will include acquisition of the concept of death, antecedents and correlates of individual differences in concern about death, psychological processes in dying persons and their relatives, and the psychology of grief and mourning.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units.

Mr. Dickstein



**313 (2) Seminar**

**1**

Group psychology. Studies everyday interaction of individuals in groups. Introduction to practical-theoretical problems of leadership, group formation and organization, participation and intervention. Readings, demonstrations, and instruction in systematic observation of behavior, interpretation of motivation, and conceptualization of individual personalities and group dynamics.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units, including 210.

Not offered in 1978-79.

**317 (1) Seminar. The Psychology of Reading**

**1**

An examination of the skills and techniques used by an individual when reading. Topics considered will include learning to read, methods of teaching, reading disabilities, and reading problems encountered by bilingual speakers and speakers of a dialect.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units and by permission of the instructor to other qualified students.

Ms. Wolf

**318 (2) Seminar. Brain and Behavior**

**1**

Selected topics in brain-behavior relationships. Emphasis will be on the neural basis of the higher-order behaviors. Topics will include language, perception, learning, memory, hemispheric specialization, and sex differences in lateralization.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units, including either 216 or 245.

Not offered in 1978-79.

**325 (1) History of Psychology**

**1**

The history of selected topics and issues in psychology with an emphasis on the analysis of primary sources. The field of psychology will be analyzed as a developing science. There will also be discussion of current issues in the historiography of psychology.

Open to juniors and seniors who have taken 101.

Not offered in 1978-79.

**327 (2) Seminar. Child Development**

**1**

Topic for 1978-79: Infancy. An examination of the infant's cognitive and social development from the perspectives of contemporary theory, research, and longitudinal experience with infants. Students will visit the home of a family with an infant each week and will record observations of that infant's development. This field experience will inform the class discussions of selected issues in the psychological study of the infant.

Open by permission of the instructor to juniors and seniors who have taken two Grade II units, including 207.

Ms. Sheingold

**328 (1) Seminar**

**1**

Topic for 1978-79: The family and family therapy—focus on learning how to observe and analyze interpersonal and intrapsychic data from a family system's point of view. Each seminar member will be part of a "simulated" family that will meet on a weekly basis. Differences between family and individual treatment approaches will be discussed.

Prerequisite: same as for 310.

Not offered in 1978-79.

**330 (1) Seminar**

**1**

Topic for 1978-79: Self-perception. We will study how we learn about ourselves through awareness of our bodily states and behavior. Research on self-perception of bodily states has implications for how we learn to recognize thirst and hunger, the conditions under which we experience emotions such as romantic love, guilt, and anger, and methods we can use to deal more effectively with anxiety and pain. Research on self-perception of overt behaviors has implications for such issues as how we develop attitudes, why we experience our actions as being under internal or external control, our reactions to success and failure, and methods for gaining more control over our lives.

Prerequisite: same as for 317.

Mr. Kleinke

**335 (2) Seminar. Experimental Psychology****1**

Topic for 1978-79: New experimental approaches to old psychological problems. An examination of recently developed theories and techniques from the field of experimental psychology currently being applied to the problem of self-control and the management of depression and addictions. Each student will have the opportunity to design and carry out a behavioral self-control project.

Prerequisite: same as for 312.

Ms. Furumoto

**340 (1) Seminar. Applied Psychology****1**

Application of psychological research and principles to understanding occupations, work, and unemployment. Various work environments will be studied in terms of their consequences for psychological stress and health. Mechanisms for coping with psychological stress in the work situation will be explored.

Prerequisite: same as for 317.

Mr. Finison

**345 (1) Seminar. The Psychology of Thinking****1**

An inquiry into the processes of human thinking with major emphasis on empirical studies. Topics to be covered will include inductive and deductive reasoning, problem solving, creative thinking, sex differences, and the role of personality variables in intellectual functioning.

Prerequisite: same as for 312.

Not offered in 1978-79.

**349 (1) Children and Media****1**

Exploration of children's "productions" in and understanding of a variety of media: e.g., art, music, television, books. We will ask whether children's general symbolic ability is reflected similarly in all media or whether the particular medium affects what children can do and understand. These issues will be related to general developmental theories.

Prerequisite: same as for 317.

Ms. Sheingold

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

Prerequisite: any one of the following: 207R, 210R, 212R, 220R.

**Directions for Election**

A major in psychology must include 101; one of the following: 207, 210, 212; one of the following: 215, 216, 217, 218, 219, 245; and 201.

The department offers four research courses: 207R, 210R, 212R, 220R. A major in psychology must include at least one of these. However, no more than one of 207R, 210R, 212R may be elected. It is possible to elect 220R in addition to one of the other R courses.

The department recommends that students plan a program in which 201, the research course, and preferably all Grade II requirements are completed as early in the program as possible and no later than the end of the junior year.

# Religion and Biblical Studies

Professor:  
Denbeaux, Johnson (Chairman)

Assistant Professor:  
Hanson, Levenson, Koderá, Marini<sup>3</sup>, Elkins<sup>3</sup>

Lecturer:  
Santmire

## 104 (1) (2) Introduction to the Hebrew Bible 1

A critical study of the Hebrew Bible (Old Testament) from a variety of perspectives—as a cultural expression of the ancient Near East, as a source for the history of Israel, and as the record of the evolving religious tradition of the Israelites. Attention to this tradition as the matrix of Christianity and Judaism. Emphasis upon the world views and literary craft of the authors. Open to all students.

Mr. Denbeaux, Mr. Levenson

## 105 (1) (2) The Person and Message of Jesus 1

The life and message of Jesus of Nazareth, based on recent historical critical research of the Gospel record. A consideration of the relation between historical knowledge about Jesus and the faith of the early church in him with particular attention to the synoptic Gospels. Open to all students.

Mr. Hanson

## 107 (1) (2) Crises of Belief in Modern Religion 1

Religious and antireligious thinkers from the Enlightenment to the present. An examination of the impact of the natural sciences, social theory, psychology, and historical method on traditional religion. Readings in Hume, Darwin, Teilhard de Chardin, Marx, Reinhold Niebuhr, Freud, Tillich, and others. Open to all students.

Mr. Johnson, Mr. Santmire

## 108 (1) (2) Introduction to Asian Religions 1

An introduction to the major religions of India, Tibet, China, and Japan with particular attention to universal questions such as how to overcome the human predicament, how to perceive the ultimate reality, and what is the meaning of death and the end of the world. Materials taken from Islam, Hinduism, Buddhism, Confucianism, Taoism, and Shinto. Comparisons made, when appropriate, with Hebrew and Christian Scriptures. Open to all students.

Mr. Koderá

## 109 (1-2) Elementary Hebrew 2

A systematic introduction to the grammar of the Hebrew language, with attention to oral and written expression. Preparation for the reading of religious texts from all periods. No previous acquaintance with Hebrew assumed. Open to all students.

Mr. Levenson

## 110 (1) The Phenomenon of Religion 1

An inquiry into the basic elements of human religiousness. The role of ritual, sacrifice, community, sacred time and space, religious experience, and sacred texts in the human encounter with the holy. Readings illustrating these dimensions of religion across cultures and through time, with special attention to tribal and new cultic religions. Open to all students.

Mr. Johnson, Mr. Marini

## 150 (1) Colloquia 1

For directions for applying see p. 46. Open by permission to a limited number of freshman and sophomore applicants.

a. Gandhi and nonviolence

Inquiry into the origins of Gandhi's philosophy of nonviolence as a means of passive resistance and its influence on later figures. Readings in Gandhi, Tolstoy, Thoreau, Bonhoeffer, M. L. King, Jr., and César Chávez.

Not offered in 1978-79.

Mr. Koderá

e. Martin Luther and the Protestant Reformation.

For description and prerequisite, see History 150 (1)e.

**203 (2) The Ancient Near East: An Introduction**  
**1**

A discussion of the earliest civilizations which are basic to western thought, focusing on the cultural history and especially the literature of Egypt, Mesopotamia, Syria, and Canaan. Readings include *Enuma Elish*, *Gilgamesh*, the *Code of Hammurabi*, the *Baal* cycle, the *Keret* and *Aqhat* epics, and various hymns, omens, letters, treaties, chronicles, and royal inscriptions. Closes with a discussion of the relationship of Israel to its environment. Open to all students.

Mr. Levenson

**204 (1)\* Christian Beginnings in the Hellenistic World**  
**1**

A study of the emergence of the Christian movement with special emphasis upon those experiences and convictions which determined its distinctive character. Intensive analysis of Paul's thought and the significance of his work in making the transition of Christianity from a Jewish to a Gentile environment. Prerequisite: 105.

Mr. Hanson

**205 (2) The Prophetic Institution in Biblical Israel**  
**1**

A study of the institution of prophecy in its literary, historical, sociological, and theological settings. A discussion of ecstatic experience and spirit-possession in general and in the ancient Near East, followed by a careful reading of all the prophetic anthologies in the Hebrew Bible in an effort to understand the world-views of the prophets and their function within Israelite society.

Prerequisite: 104.

Not offered in 1978-79.

Mr. Levenson

**207 (2) New Testament Greek**  
**1**

Special features of *Koine* Greek. Readings from New Testament authors. Prerequisite: Greek 102.

Mr. Hanson

**208 (1) Ethics**  
**1**

An inquiry into the nature of values and the methods of moral decision-making. Examination of selected ethical issues including professional morality, violence and oppression, sexism, social justice and revolution, and personal freedom. Introduction to case study and ethical theory as tools for determining moral choices. Open to all students.

Mr. Marini, Ms. Elkins

**209 (1-2) Intermediate Hebrew**  
**2**

A rigorous review of Hebrew grammar with readings in biblical and rabbinic texts and modern religious literature. Practice in the development of oral competence.

Prerequisite: 109 or permission of the instructor.

Mr. Levenson

**210 (1) Psychology of Religion**  
**1**

An examination of psychological studies of religion from a variety of theoretical perspectives. Readings in authors such as William James, Sigmund Freud, C. G. Jung, Erich Fromm, and Erik Erikson.

Open to all students.

Mr. Johnson

**211 (2) Religion and the Human Life Cycle**  
**1**

The formative role of religion in the critical episodes of human development: birth, puberty, marriage, and death. Readings in the religious rituals of sacred traditions, together with relevant psychological, philosophical, and theological texts.

Open to all students.

Mr. Johnson

**212 (2) Sociology of Religion**  
**1**

For description and prerequisite see Sociology 212.

**215 (1) Pilgrimage. The Search for Meaning**  
**1**

A study of various journeys, mostly autobiographical, as portrayed in Wiesel's *Night*, Hesse's *Siddhartha*, Krosinski's *The Painted Bird*, Castenada's *Journey to Ixtlan*, Bellow's *Henderson the Rain King*, *The Autobiography of Malcolm X*, Lagerkvist's *Barabbas*, and Ellison's *The Invisible Man*.

Open to all students.

Mr. Denbeaux

**216 (1) Classical Christian Theology**

**1**

Basic ideas and fundamental controversies in Christian thought from its origins in the Greco-Roman world through its culmination in 13th century scholasticism. Writings of influential thinkers, especially Augustine, Anselm, and Thomas Aquinas, addressing central questions, such as the nature and purpose of Christ; the relationship between humans and the divine; ideas of good and evil, reason and revelation, and orthodoxy and heresy. Offered in alternate years only.

Open to all students.

Ms. Elkins

**218 (1) Religion in America**

**1**

A study of major ideas, institutions, and events in American religions from the colonial period to the present. Introduction to the principal ways Americans have interpreted religious reality and the historical impact of these ideas on society and culture. Readings in central thinkers including the Puritans, Jonathan Edwards, Ralph Waldo Emerson, and Mary Baker Eddy as well as primary sources from Native American, Black, Catholic, Jewish, and Pentecostal traditions.

Open to all students.

Mr. Marini

**219 (2) Religion and Politics in America**

**1**

A study of religious beliefs, institutions, and symbols in the political culture of the United States. Case studies and theoretical readings in selected topics, including religion and the Constitution, the ideological functions of religion, politics and symbolic drama, religious identity and the electoral process, religious radicalism and political dissent, and civil religion.

Open to all students.

Not offered in 1978-79.

Mr. Marini

**221 (2) American Catholic Studies**

**1**

Selected issues from the development and present life of the Roman Catholic Church in America examined from historical, social, and theological perspectives.

Open to all students.

Not offered in 1978-79.

Ms. Elkins

**224 (1) Male and Female in Contemporary Christian Thought**

**1**

An analysis of the feminist critique of traditional Christian theology, beginning with Mary Daly's *Beyond God the Father*, read in comparison with modern expression of the tradition, such as Karl Barth's *The Humanity of God*. Discussion of contested contemporary questions such as male and female in Genesis 1 and 2, Paul's view of men and women, misogyny in the Church Fathers, masculine and feminine images of God, the lordship of Christ, the role of Mary, the Church as hierarchy, women as priests, submission in marriage, and sexual morality.

Open to all students.

Mr. Santmire

**232 (2) Religious Autobiography**

**1**

Personal accounts, historical and contemporary, of the perennial human quest for meaning. Works include Augustine's *Confessions*, Merton's *Seven Storey Mountain*, Teresa's *Autobiography*, Hammar skjöld's *Markings*, Pascal's *Pensées*, and Julian of Norwich's *Revelations*. Readings considered in their historical context and as enduring expressions of religiousness.

Open to all students.

Ms. Elkins

**233 (1) The Renaissance and Reformation, 1300 to 1600**

**1**

For description and prerequisite see History 233.

**242 (2) Christianity in the Arts**

**1**

A study of the Christian tradition as expressed through the arts. Case studies of fine arts, liturgy, and music in theological and historical context. Examples from the Ancient Mediterranean church, monasticism, Byzantium, 16th century Rome, the Reformation, Latin American Catholicism, and the Shakers.

Open to all students.

Ms. Elkins, Mr. Marini

### 251 (1)\* Hindu Religion and Culture

1

An exploration of major issues in the religious history and culture of India from the Indus Valley Civilization of 3000 B.C., through the Aryan and Muslim invasions, to the modern Hindu revival in response to European domination. Topics including fertility and asceticism, Brahmanic ritual, caste system and ideal womanhood, yoga, nonviolence, devotion to Shiva and Vishnu, Sikhism, and the Hindu influence on western thinkers (e.g., Thoreau, M. L. King, Jr.). Readings including Upanishads, Bhagavad Gita, Ramayana, Tagore, Gandhi, and Sri Aurobindo. Offered in alternation with 253.

Open to all students.

Not offered in 1978-79.

Mr. Kodera

### 253 (1)\* Buddhist Thought and Practice

1

A study of Buddhist views of the human predicament and its solution, using different doctrines and forms of practice from India, Thailand, Tibet, China, and Japan. Topics including Buddha's sermons, Buddhist psychology and cosmology, meditation, bodhisattva career, Tibetan Tantricism, Pure Land, Zen, influence on western thinkers (e.g., Eliot, Hesse), and adaptation to the West. Offered in alternation with 251.

Open to all students.

Mr. Kodera

### 254 (2)\* Chinese Thought and Religion

1

Continuity and diversity in the history of Chinese thought and religion from the ancient sages of the third millennium B.C. to Mao. Topics including Confucianism, Taoism, Chinese Buddhism, folk religion and their further developments and interaction. Materials drawn from philosophical and religious works as well as from their cultural manifestations. Offered in alternation with 255.

Open to all students.

Mr. Kodera

### 255 (2)\* Japanese Religion and Culture

1

Constancy and change in the history of Japanese religious thought and its cultural and literary expressions. A consideration of Japanese indebtedness to, and independence from, China, assimilation of the West and preservation of indigenous tradition. Topics including Shinto, Japanese Buddhism and its arts, Neo-Confucianism and nationalism, Christian impact and failure, and modern Japanese thought. Offered in alternation with 254.

Open to all students.

Not offered in 1978-79.

Mr. Kodera

### 259 (1) Religious Innovators and Reformers, East and West

1

Biographical approach to major religious figures who shaped the course of European and Asian civilizations. Examination of Constantine, the first Christian emperor, and Ashoka, the first Buddhist emperor; Francis of Assisi, lover of poverty, and Mo Tzu, champion of the oppressed; Luther ("justification by grace through faith") and Shinran ("even the good are saved in the Pure Land, how much more so the bad"); and the mystics Thomas Merton and Tagore.

Open to all students.

Mr. Kodera, Ms. Elkins

### 260 (1) Theology on the Boundary

1

Most theologies are enormously influenced by the institutions which they seek to defend. Ecclesiasts, priests, clergymen, seminary professors produce the bulk of such literature. There are, however, other kinds of writers who are free of the need for institutional authorization. Fyodor Dostoevsky, Søren Kierkegaard, Miguel de Unamuno, and Simone Weil demonstrated that the vision which is perceived on the frontier is different from, but not less than, that which is perceived from the fortress center.

Open to all students.

Not offered in 1978-79.

Mr. Denbeaux

**305 (2) Seminar in Asian Religions****1**

Topic for 1978-79: Zen Buddhism. Zen, the long known yet little understood tradition, studied with particular attention to its historical and ideological development, meditative practice, and expressions in poetry, painting, and martial arts. Topic for 1979-80: Buddhism and Asian literature.

Open by permission of the instructor.

Mr. Kodera

**306 (1) Seminar in Biblical Hebrew Literature in Translation****1**

A concentrated investigation of the Book of Psalms, from a variety of perspectives, including form-criticism, tradition-history, and theology, in an effort to ascertain the original settings of the psalms, the various types of poems included in the book, and the religious ideas and imagery most prominent therein.

Prerequisite: 104

Mr. Levenson

**307 (2)\* Seminar. The New Testament****1**

A study of the Christian movement, its life and problems, in the post-Pauline period with special emphasis on the Gospel according to John and its interpretive insights for an understanding of the person and work of Jesus and of the Christian tradition.

Prerequisite: 204.

Mr. Hanson

**311 (2) Theology and Its Expression in Literature****1**

The relation of theology and imagination. A study of selected theological images and the ways in which they have been reshaped by such interpreters as D. H. Lawrence, Faulkner, Kafka, and Pasolini.

Open to students who have taken one unit in the department and a Grade II course in literature.

Mr. Denbeaux

**314 (1) Theology Seminar. Mortality, Immortality, and Resurrection****1**

A critical study of three classical descriptions of the end of man: (1) the case that views death as both absolute and natural; (2) the case that views death as the enabling instrument to free the soul from the body/prison; and (3) the Christian view of a new heaven and a new earth.

Prerequisite: one Grade II course in the department.

Mr. Denbeaux

**316 (2)\* Ethics****1**

An intensive study of an ethical issue or a set of related issues with readings in relevant source materials. Normally offered in alternation with 317.

Prerequisite: 208.

Not offered in 1978-79.

Mr. Johnson

**317 (2)\* Religion and the Social Sciences****1**

An exploration of the use of social scientific methods (psychology, sociology, and anthropology) in the study of religion. Readings demonstrating the application of such methods to specific religious communities and/or individuals. Normally offered in alternation with 316.

Prerequisite: 210, or 211, or Anthropology 104, or Sociology 102.

Mr. Johnson

**318 (2) Seminar in American Religions****1**

Topic for 1978-79: New England Puritanism. A study of the social, intellectual, political, and religious dimensions of Puritan culture in 17th and early 18th century New England. Special attention to the role of religion as a shaping and integrating force in early colonial society. Close reading of primary sources including the Antinomian Controversy, the poetry of Anne Bradstreet, the Fundamental Laws, the Salem Witch Trials, and the theology of the Mathers.

Prerequisite: 218, 219, History 250, or permission of the instructor.

Mr. Marini

**320 (1) Black Institutions****1**

For description and prerequisite see Black Studies 320.

**332 (2)\* Medieval Relics and Saints' Lives****1**

An interdisciplinary study of the cult of saints and relics as a formative force in 12th and 13th century culture. Attention will be given to the establishment of building programs and architectural types, the development of iconography, the literary genre of saints' lives, the conceptions of saintliness, the economics of shrines, the politics of canonization, the role of pilgrimage, and the birth of liturgical drama. Open by permission of the instructor.

Mr. Fergusson, Ms. Elkins

**339 (1) Seminar. American Jewish History.****1**

For description and prerequisite see History 339.

Not offered in 1978-79.

**350 (1) (2) Research or Individual Study****1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Directions for Election**

The total program of the major shall be prepared in consultation with the advisor so as to provide for an appropriate balance between specialization and diversity.

Specialization shall include a sequence of courses in at least one particular field of study. Diversity is fulfilled by electing some work within the department outside the field of specialization.

Freshmen and sophomores considering a major are encouraged to elect introductory courses appropriate to their special field of interest; information is available in the department office. Students planning to pursue studies in the Twelve College Exchange Program as part of their major should consult with their department advisor. Several of the Twelve College religion departments offer courses which could supplement and enrich a Wellesley major in religion and biblical studies.

Studies in the original language are particularly valuable for students specializing in Hebrew Bible or New Testament; see Religion 109 and 209 (Hebrew) and Greek 102 (Beginning Greek) and Religion 207 (New Testament Greek).

# Russian

Professor:

Lynch, Bones (Chairman)

Visiting Associate Professor:

Mickiewicz

Visiting Lecturer:

Hoffman<sup>3</sup>

**100 (1-2) Elementary Russian****2**

Grammar: oral and written exercises; reading of short stories; special emphasis on oral expression; weekly language laboratory assignments. Four periods.

The Staff

**200 (1-2) Intermediate Russian****2**

Conversation, composition, reading, review of grammar. Three periods.

Prerequisite: 100 or the equivalent.

The Staff

**201 (1) Russian Literature in Translation I****1**

Russian literature from its beginnings to the middle of the 19th century. The focus of the course is on the major prose of the first half of the 19th century. The authors to be considered include Pushkin, Lermontov, Gogol', Goncharov, Turgenev, and Dostoevsky.

Open to all students.

Mrs. Bones

**202 (2) Russian Literature in Translation II****1**

Russian literature from the second part of the 19th century to the present with emphasis on the works of Tolstoy, Chekhov, Sologub, and such Soviet writers as Babel, Olesha, Bulgakov, and Solzhenitsyn.

Open to all students.

Mrs. Bones



**205 (2)\* Intermediate Conversational Russian**  
**1**

Practice in conversation and writing to increase fluency and accuracy in the use of idiomatic Russian. A variety of materials such as newspapers, periodicals, tapes, and films will be used in the course. Regular use of language laboratory.

Prerequisite or corequisite: 200 or permission of the instructor.

Mrs. Bones

**249 (2)\* Language**  
**1**

General laws of phonology, syntax, and grammatical categories. History, theory, and logic of language and their application to Russian and the problems of English-Russian translation. Prerequisite or corequisite: 200 or permission of the instructor.

Miss Hoffman

**290 (1) Silver Age of Russian Literature**  
**1**

Examination of representative Modernist works in fiction, poetry, drama and criticism from the beginnings of Symbolism (ca. 1900) to the onset of Socialist Realism (ca. 1930). The evolution of aesthetic norms and practices will be analyzed in the light of the cultural and historical developments of those decades. Meyerhold, Zam'atin, Blok, Mayakovsky and Mandel'shtam are among authors considered. Offered in English.

Open to all students.

Mr. Mickiewicz

**300 (1-2) Advanced Russian**  
**1 or 2**

The structure of modern Russian. Extensive reading of literary and historical works. Weekly written and oral reports on selected topics. Prerequisite: 200.

Mrs. Lynch

**311 (1)\* Russian Literature from Its Beginnings to Pushkin**  
**1**

Byzantine, western, and folk influences in the chronicles and epics of the Kievan and Moscovite periods. Reading of the *Igor Tale*, selections from *Primary Chronicle*, *Zadonshchina*; and works of Ivan IV, Avvacum, Lomonosov, Derzhavin, Radishchev, and Pushkin. Prerequisite or corequisite: 300.

Not offered in 1978-79.

Miss Hoffman

Offered in 1979-80.

**317 (2)\* Russian Writers Today: Emigre and Soviet**  
**1**

Prose and poetry of such writers as Bunin, Aldanov, Nabokov, Morshen and Pasternak, Panova, Sinyavsky, Solzhenitsyn.

Prerequisite or corequisite: 300.

Mrs. Lynch

**320 (2)\* Seminar**  
**1**

Normally a different topic each year.

Prerequisite or corequisite: 300.

Not offered in 1978-79.

Mrs. Bones

**349 (2)\* The Writer in a Censored Society: His Literary and Nonliterary Roles**  
**1**

Selected works of 19th and 20th century writers with an emphasis on works by Mayakovsky, Esenin, Mandel'shtam, Axmatova, and Evtushenko. Prerequisite or corequisite: 300.

Not offered in 1978-79.

Mrs. Lynch

Offered in 1979-80.

**350 (1) (2) Research or Individual Study**  
**1 or 2**

Open by permission to qualified students.

**370 (1-2) Thesis**  
**2 to 4**

Open only to honors candidates.

**Directions for Election**

Course 100 is counted toward the degree but not toward the major. Courses 201 and 202 are counted toward the distribution requirements in Group A but not toward the major. However, 201 and 202 are strongly recommended to students who intend to major in Russian. A major in Russian is expected to elect 249 or 205 in conjunction with 200.

Students majoring in Russian should consult the chairman of the department early in the college career, as should students interested in an individual major which includes Russian.

History 246 and 247 and 309 are recommended as related work.

The study of at least one other modern and/or classical language is strongly recommended for those wishing to do graduate work in Slavic languages and literatures.

# Sociology

Professor:  
Eister (Chairman)

Associate Professor:  
Markson<sup>3</sup>

Assistant Professor:  
Dimieri<sup>■</sup>, Anderson-Khleif, Silbey<sup>3</sup>

Instructor:  
Burstein<sup>3</sup>

Lecturer:  
Elliott<sup>3</sup>

Visiting Professor:  
Mickiewicz

Visiting Associate Professor:  
Waxler<sup>3</sup>

**102 (1) (2) Sociological Perspective****1**

This course is an introduction to the basic concepts, methods, and theoretical approaches in sociology. Emphasis on the fundamental assumptions or premises underlying sociological analysis. Exploration of sociological issues and research in selected subfields including stratification and social class lifestyles; deviance; family; religion; ethnic and minority groups; organizations; urban sociology; social change. Students are introduced to some basic computer methods in sociology through brief exercises. Open to all students.

The Staff

**103 (2) American Society****1**

Distinctive organizational and structural characteristics of society in the United States including representative local communities. Population change and institutional developments. Review and critical assessments of the work of deTocqueville, T. Veblen, C. W. Mills, D. Riesman, and others. Does not substitute for 102 as a prerequisite for advanced work in the department.

Open to all students.

Mrs. Silbey

**111 (1) Family and Society****1**

The theme of this course is the study of transition or change in the family system. Readings, discussions, lectures, and student projects explore current trends in family structure and roles. Course work emphasizes the contemporary U.S. family but encompasses historical and cross-cultural material as well. Topics include single-parent family life, divorce, new family and work roles for women, "dilemmas of masculinity," dating, the impact of current changes on marital relationships, "the future of motherhood," trends in marital satisfaction over the life cycle, and others. The Scandinavian family, the family of the Israeli kibbutz, the traditional extended family, and the Dutch family are discussed as cross-cultural models for change. Open to all students.

Mrs. Anderson-Khlef

**120 (2) The Metropolitan Community****1**

Ecological basis of community development from the village to the megalopolis. Changes in social control, deviance, conflict and integration of neighborhood and community in relation to social class, ethnicity, and city size. Types of political behavior emerging from different community structure.

Open to all students.

Ms. Burstein

**138 (1) Deviance****1**

The process of labeling and defining nonnormative conduct. Focus on juvenile delinquency and mental illness in cross-cultural and historical perspectives.

Open to all students.

Mrs. Markson

**201 (1) Social Research I****1**

Nature of social research, problem specification, research design, techniques of data collection including field work, survey research, interviews and content analysis. Significance of values, ethics, and politics for research enterprise. One laboratory period required. Normally followed by 202.

Prerequisite: one grade I unit or permission of the instructor.

Ms. Waxler

**202 (2) Social Research II****1**

Techniques for the analysis of quantitative data; creation and access of computer data files; descriptive and inductive statistics including measures of distribution, tests for significance, and measures for association. One laboratory period required.

Prerequisite: 201.

Ms. Waxler

**206 (1) Women, Education and Work****1**

For description and prerequisite see Education 206.

**207 (2) Human Societies****1**

Prerequisite: 102 or Anthropology 104.

Not offered in 1978-79.

**208 (1) Population and Society****1**

An approach to the analysis of social phenomena in terms of populations rather than institutions. Historical and comparative treatment of the nature, causes, and demographic consequences of the "population explosion." Particular attention will be given to demographic processes defined as social problems, such as social differences in the risk of illness and death, immigration, and fertility control. Consideration will be given to alternative policy strategies which are aimed at these "social problems." Not open to students who have taken Education 228.

Prerequisite: same as for 201.

Ms. Burstein

**209 (1) Social Inequality****1**

Critical analysis of inequality, social stratification, and social class in the United States and in other societies. Relationship between stratification and power. Attention to current issues of lifestyles, liberation movements, and class as the basis of social change.

Prerequisite: same as for 201.

Ms. Burstein

**210 (2) Racial and Ethnic Minorities****1**

For description and prerequisite see Anthropology 210.

**212 (2) Sociology of Religion****1**

Sociological views of contemporary religion. Differences in organization and functions of religion in primitive, traditional, and advanced contemporary societies. Problems of organized religion in secular, pluralistic, and urban-industrial society. Prerequisite: same as for 201.

Mr. Eister

**213 (1) Sociology of Law****1**

Analysis of sociological jurisprudence; examination of the empirical studies of various components of the justice system—legal profession, jury system, courts, police, and prisons; special attention to topics of social change, social class, and the law.

Prerequisite: same as for 207.

Mrs. Silbey

**214 (2) Medical Sociology****1**

Social factors associated with the incidence and treatment of health disorders. Differential availability of health care services. Social organization of hospitals; role behavior of patients, professional staff and others; attitudes in hospital setting toward terminal patients and death.

Prerequisite: same as for 207.

Mrs. Markson

**215 (1) Sociology of Communication****1**

Sociological forms and consequences of communication with special attention to the press, motion pictures, television, and other mass media.

Prerequisite: same as for 201.

Not offered in 1978-79.

**216 (2) Sociology of Higher Education****1**

Contemporary functions and types of higher educational institutions in the United States. Social organization of the campus as a local community. Professional and nonprofessional role relationships and the coordination of standards and of objectives. Field research required.

Prerequisite: same as for 201.

Not offered in 1978-79.

**224 (2)\* Social Movements and Collective Behavior****1**

Theories of conflict and collective behavior applied to emergent social processes such as demonstrations, riots, and rebellions; relationship to movements seeking alterations in the social order.

Prerequisite: same as for 201.

Not offered in 1978-79.

**229 (1) Modern Organizations****1**

Various perspectives and methodologies used in the investigation of organizations. Examination of the nature of work. Emphasis on size, complexity, and formalization of structure and on power, communication, and decision-making processes. Roles and adaptation of individuals in organizations; the significance of social and cultural environments.

Prerequisite: same as for 201. Not open to students who have taken [219].

Mrs. Anderson-Khleif

**231 (2) Society and Self****1**

Over a century ago, Auguste Comte, generally credited with the christening of sociology as a separate field of study asked the question: How can the individual be at once cause and consequence of society? Not only is the person a social product, but s/he is also clearly unique, and in turn helps shape and modify society. This course is concerned with the relationship between the individual and society, and the behavior of persons in groups. Ways in which groups and institutions aid or inhibit individual experience will be discussed.

Prerequisite: same as for 201.

Mrs. Markson

**233 (1) Women and Developing Societies****1**

Women's participation in development and its impact on their status in society. Focus on Asia and Latin America, with opportunities for students to pursue topics in Africa and the Middle East. After examination of theoretical literature on social change and women's roles, the course examines how urbanization, commercialization of agriculture, industrialization and other facets of modernization affect women's economic and political roles. Discussion of development planning, with case study of the People's Republic of China.

Prerequisite: at least one unit of relevant work in sociology, anthropology, economics, history, political science.

Ms. Elliott

**300 (1) Classical Sociological Thought****1**

Development of major sociological themes and theoretical positions from Montesquieu to the present.

Prerequisite: 102 or Anthropology 104, and two Grade II units, or permission of the instructor.

Mr. Eister

**309 (1) Soviet Social Stratification****1**

Study of the process and effects of ethnic, sex, and social class differentiation in the Soviet system. Analysis of social inequality and trends in differential access to education, occupational mobility, power, and prestige.  
Open to all students.

Ms. Mickiewicz

**311 (2) Family Research Seminar****1**

Topic for 1978-79: Families, personal well-being, and social policy. Study of social participation and personal well-being in modern industrial society. Analysis of the social meaning of income and the quality of family life. Emphasis on policy in the areas of welfare, housing, day-care, and delivery of services to families with special needs. Topics include problems of post-parental and retired families, widows, the aged, divorced families, single men and women, dual career families, the disabled and the working poor.  
Prerequisite: same as for 300; or 111 and at least one Grade II course other than 211, or permission of the instructor.

Mrs. Anderson-Khleif

**320 (2) Urban Social Systems****1**

Sociological and systems analysis of selected federal, city, and community attempts to respond to urban problems. Extensive field work in urban programs and projects in Boston.  
Prerequisite: 102, 220, and one additional Grade II unit.

Ms. Burstein

**324 (2) Seminar. Strategies of Social Change in Contemporary America****1**

Examination of strategies of change available to "relatively powerless" groups. Relationship of protest strategies to electoral politics. Recent examples include strategies by students, women, and ethnic minorities.  
Prerequisite: same as for 300, and 224 is recommended but not required. Not open to students who have taken [349].

Not offered in 1978-79.

**329 (2) Internship Seminar in Organizations****1**

An internship seminar in organizational theory and analysis. Required internship assignment in organizations concerned with health, corrections, housing, planning, media, other public or private services, government, or business and industry. The internship is utilized for participant observation on some aspect of organizational behavior, structure, or process. Seminar sessions are focused on selected topics in organizational research and on issues in participant observation. Limited to 12 students. Elected on credit/noncredit basis only. Open to juniors and seniors.

Prerequisite: same as for 300; or 229 and one other Grade II course in Sociology, or permission of the instructor.

Mr. Eister

**338 (1) Seminar. Deviance****1**

Social factors associated with the incidence and treatment of crime. Focus on the relationship between the criminal justice institutions (police, courts, and prisons) and the incidence of crime.  
Prerequisite: same as for 300. Not open to students who have taken [323].

Not offered in 1978-79.

**340 (2) Seminar. Evaluation Research and Policy Analysis****1**

Analysis of research paradigms utilized in pure and applied forms of social science research. Particular attention to research sponsors and patrons; the professionalization of policy analysis; methodological issues of design and measurement; and the political, economic, and legal context of research. Topics for review include quality of life research; impact analysis of social programs in health care and criminal justice; and issues in the management of organizations.  
Prerequisite: 201 and 202 or the equivalent.

Not offered in 1978-79.

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

## Directions for Election

Majors in sociology are required to include in their programs 102, 201, and 300. In addition to the "core" of required courses, students may continue to develop a general major to consist of at least five additional courses of their choice or to construct a more specialized program in an area of concentration, beginning in 1978-79 with one of the following: Family Studies and Role Behavior, Urban Studies, or Deviance, Sociology of Law, and Corrections starting with an appropriate exploratory course in each case. These are, respectively, 111, 120, and 138, any of which may be taken without prerequisite.

## Spanish

Professor:  
Lovett (Chairman)

Assistant Professor:  
Gascón-Vera, Ben-Ur, Lusky

Instructor:  
Villanueva•, Levy<sup>3</sup>, Rodríguez-Hernández

Courses of the department are normally conducted in Spanish; oral expression is stressed.

The department reserves the right to place new students in the courses for which they seem best prepared regardless of the number of units they have offered for admission.

Qualified students may be recommended to spend the junior year in a Spanish-speaking country. See: p. 42.

### 100 (1-2) Elementary Spanish

2

Introduction to grammar through directed conversation; stress on audio-lingual approach. Intensive language laboratory exercises. Three periods.

Open to students who do not present Spanish for admission.

The Staff

### 102 (1-2) Intermediate Spanish

2

Intensive review of grammar and language skills through practice in the classroom and with language laboratory exercises. Readings by contemporary Hispano-American writers. Emphasis on vocabulary building and oral and written expression. Three periods.

Prerequisite: two admission units in Spanish or 100.

The Staff

**103 (1-2) Intensive Spanish****3**

First semester: Concentrated introduction to spoken Spanish. Constant oral-aural practice, in class and in the language laboratory, builds an active facility with linguistic structures. Intensive vocabulary building through visual presentations, dramatizations, and short readings. Second semester: Increased emphasis on writing and on the reading of literary texts. Continued use of the audio-lingual method develops accuracy and fluency with the spoken language. Five periods per week.

Open by permission of the instructor to students who do not present Spanish for admission.

Ms. Lusk

**200 (1) Contemporary Language and Literature****1**

Constant practice in writing and speaking coordinated with study of contemporary Hispanic figures. Emphasis on literary, philosophical and artistic movements in Spain and Spanish America. Neruda, Alexandre, Juan Benet, Julian Marías, Vallejo, Buñuel, Dalí, Picasso.

Prerequisite: 102 or three admission units or permission of the instructor.

Ms. Gascón-Vera

**201 (1) (2) Oral and Written Communication****1**

Practice in conversation and writing to increase fluency and accuracy in the use of idiomatic Spanish. Development of skills in bilingual situations. Not open to students who have taken 230.

Prerequisite: 102 or 200 or four admission units or permission of the instructor.

The Staff

**202 (2)\* The Spanish American Short Narrative****1**

The evolution of the short story in Spanish America from the 19th century *cuadro de costumbres* to the modern masterpieces of Quiruga, Borges, Cortázar, Rulfo and García Márquez. Special attention will be given to the influence of Poe and Hawthorne, and to the changing formal properties of the genre. Offered in alternation with 205.

Prerequisite: 200 or 201 or permission of the instructor.

Ms. Lusk

**203 (2)\* Modern Spanish Literature****1**

From *La Generación del '98* to the Spanish Civil War. Dominant themes and innovations in such authors as Unamuno, Valle Inclán, Baroja, A. Machado, García Lorca, Guillén, and Salinas. Offered in alternation with 204.

Prerequisite: same as for 202.

Ms. Gascón-Vera

**204 (1)\* Post-Civil War Spanish Literature****1**

From post-civil war literature to today. The struggle for self-expression in Franco's Spain. A study of the literary styles and accomplishments of contemporary authors: Cela, Goytisolo, Miguel Hernández, Gabriel, Celaya, Martín Santos, and Blas de Otero. Offered in alternation with 203.

Prerequisite: same as for 202.

Not offered in 1978-79.

Mr. Villanueva

**205 (2)\* Masterpieces of Spanish American Literature****1**

A selection of such outstanding Latin American essayists, poets, and playwrights as El Inca Garcilaso, Sor Juana Inés de la Cruz, Neruda, Lugones, Rubén Darío, et al. Offered in alternation with 202.

Prerequisite: same as for 202.

Not offered in 1978-79.

Ms. Ben-Ur

**206 (1) Landmarks of Spanish Literature I****1**

Intensive study of masterpieces and authors chosen from the Middle Ages to the Baroque: *Poema del Cid*, *La Celestina*, *Lazarillo de Tormes*; Garcilaso, Fray Luis de Leon, Cervantes, Lope de Vega, Calderón.

Prerequisite: same as for 202.

Ms. Gascón-Vera

**207 (2) Landmarks of Spanish Literature II****1**

From the Enlightenment through the Romantic revolution to 19th century Realism. The evolution from neoclassicism to the realistic novel: Moratín, Larra, Espronceda, Bécquer, and Pérez Galdós.

Prerequisite: same as for 202.

Mr. Lovett

**210 (2)\* Chicano Literature****1**

A study of the major works of Chicano literature in the context of the Hispanic and American literary traditions. A critical analysis of the themes and styles from 19th century Romanticism to the genre of the contemporary Renaissance in the light of each author's social ethics and literary values: Luis Valdez, Alberto Urista, Tomás Rivera, and Miguel Méndez. Offered in alternation with 211.

Prerequisite: Same as for 202.

Not offered in 1978-79.

Mr. Villanueva

**211 (2)\* Puerto Rican Literature****1**

Significance of Puerto Rican literature in contemporary society, its aims and accomplishment as seen from the literary point of view. The impact of Latin and North America on the development of such writers as Eugenio M. de Hostos, José Gautier, and Manuel Zeno Gandía and the particular relevance of Palés Matos, Enrique Laguerre, and René Marqués. Offered in alternation with 210.

Prerequisite: same as for 202.

Ms. Ben-Ur

**228 (2)\* Latin American Literature: Fantasy and Revolution****1**

For description and prerequisite see Extra-departmental 228.

**230 (1) Spanish for the Bilingual****1**

This course is comparable to freshman composition in English in that it provides a basis for oral and written competence for the bilingual American of Hispanic background. Emphasis on the behavior of parts of speech as they relate to English. Conversational practice stressing the building of verbal skills for discussion of academic and intellectual topics. Readings from selected short stories, newspapers, and magazines for discussion and imitation. Not open to students who have taken 201.

Prerequisite: a bilingual background and permission of the instructor.

Not offered in 1978-79.

Mr. Villanueva

**260 (1)\* History of Spanish America****1**

For description and prerequisite see History 260.

Mr. Lovett

**261 (2)\* History of Spain****1**

For description and prerequisite see History 261.

Not offered in 1978-79.

Miss Gascón-Vera

**301 (2)\* Drama of the Seventeenth Century****1**

The characteristics of the Spanish drama of the Golden Age. Analysis of ideals of this period as revealed in the drama. Representative masterpieces of Lope de Vega, Guillen de Castro and Ruiz de Alarcón, Tirso de Molina, Calderón. Offered in alternation with 302.

Open to juniors and seniors who have taken two Grade II units including one unit in literature.

Not offered in 1978-79.

Mr. Lovett

**302 (2)\* Cervantes****1**

A close reading of the *Quijote* with particular emphasis on its significance in modern literature: the hero versus the anti-hero; the development of plot; levels of reality and fantasy in the novel; history versus fiction. Offered in alternation with 301.

Prerequisite: same as for 301.

Ms. Gascón-Vera

**306 (1) Arts and Letters of Contemporary Mexico****1**

Study of the fiction, poetry and essay in Mexico within the context of the interrelationship of the arts from the Revolution of 1910 to the present. Emphasis will be placed on the pervading influence of myths originating in pre-Cortesian cultures and the Colonial period which appear as recurrent themes in literature and painting. Authors read to include Vasconcelos, Rulfo, Fuentes, Paz, Usigli, Revueltas, Gorostiza, Villaurrutia, Carballido, Garro, Sainz. Taught at MIT in 1978-79 (course 21.289).

Prerequisite: same as for 301.

Ms. Ben-Ur



**307 (1) The New Novel of Latin America****1**

Analysis and discussion of the metaphysical, existential and parodic dimensions in the novel from the 1950's to the 1970's. Special themes will be estheticism vs. engagement, literature as a critique of values, and the role of the artist as cultural hero. Works by Cortázar, Fuentes, Rulfo, Donoso, García Márquez, Vargas Llosa, Carpentier and Sarduy.

Prerequisite: same as for 301

Ms. Ben-Ur

**310 (1)\* Seminar****1**

Topic for 1978-79: Jorge Luis Borges. A close study of the unique narrative mode developed by Borges in his essays and short stories, a mode through which he expresses his whimsical preoccupations with time, the theme of the double, and the nature of man's reliance on language itself. Attention will be given to the writers and philosophers who influenced Borges, and to the impact of Borges' work on contemporary Spanish American letters.

Prerequisite: same as for 301.

Ms. Luský

**350 (1) (2) Research or Individual Study****1 or 2**

Open by permission, or to seniors who have taken two Grade III units in the department.

**370 (1-2) Thesis****2 to 4**

Open only to honors candidates.

**Directions for Election**

Course 100 is counted toward the degree but not toward the major.

Students who begin with 100 in college and who wish to major should consult the chairman in the second semester of their freshman year.

Students may choose to major either in Peninsular or Latin American literature. The Peninsular major should ordinarily include 201, 203 and/or 204, 206, 207, 301, 302, and two additional units of Grade III literature in Spanish; the Latin American major should include 201, 202, 203 and/or 204, 205, 306, 307, and two additional units of Grade III literature in Spanish. History 260 is recommended for the Latin American major; History 261 is recommended for the Peninsular major. Extradepartmental 330 and 331 are recommended for both majors.

# Theatre Studies

Professor:

Barstow (Chairman)

Lecturer:

Levenson<sup>3</sup>

**203 (2) Plays, Production, and Performance****1**

The produced play considered as originally the creation of the dramatist but brought to completion in performance through the creative collaboration of producers, directors, designers, and actors.

Open to all students.

Mr. Barstow

**205 (1)\* Scene Study****1**

Study of the performed scene as the basic building-block of playwright, director, and actor. Scenes from significant plays and scenes written for the course regularly rehearsed and performed for class criticism.

Prerequisite: 203 or permission of the instructor.

Not offered in 1978-79.

Mr. Barstow

Offered in 1979-80.

**206 (1)\* Design for the Theatre****1**

Study of the designer's function in the production process through development of scale models of theatrical environments for specific plays. The models are evaluated in a series of juried critiques focusing on performance as a realization of the analytical interpretation of each play. Offered in alternation with 209.

Prerequisite: same as for 205.

Mr. Levenson

**208 (1)\* Contemporary Theatre**

**1**

Mid-20th century dramatists and production styles; plays, producers, designers, and actors significant in the development of contemporary theatre.

Prerequisite: 203 or permission of the instructor. Open to juniors and seniors without prerequisite.

Not offered in 1978-79.

Mr. Barstow

Offered in 1979-80.

**209 (1)\* Seminar. The Design of Lighting for Theatrical Production**

**1**

Theory and technique of the lighting of performance as a major artistic component of theatrical production. Emphasis is on developing the analytical, organizational and technical skills necessary to the lighting designer. Offered in alternation with 206.

Prerequisite: same as for 205.

Not offered in 1978-79.

Mr. Levenson

Offered in 1979-80.

**210 (1-2)\* History of the Theatre**

**1 or 2**

Study of theatre structures, crafts, and practices with emphasis on acting and production styles as these relate to major developments in dramatic literature. One unit of credit may be given for either semester by permission of the instructor.

Prerequisite: same as for 205.

Mr. Barstow

**215 (1)\* Shakespeare in the Theatre**

**1**

Study of production of Shakespeare's plays in the theatre; particular attention to Elizabethan stagecraft and to contemporary production styles; emphasis on acting and directing. Reports, and scenes performed for class criticism. Prerequisite: 203, and English 215 or 305 or 306, or permission of the instructor.

Mr. Barstow

**Directions for Election**

A student who wishes to pursue an interest in theatre should consult the chairman of theatre studies about course selection which will emphasize dramatic literature in English and foreign languages together with the history and philosophy of art and music.

A student who is interested in an individual major in theatre studies should see Interdepartmental Majors.

**350 (1) (2) Research or Individual Study**

**1 or 2**

Open by permission to qualified students.

# Extrdepartmental

## Cambridge Humanities Seminar

The following section includes several separate courses of interest to students in various disciplines.

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Course may be elected to fulfill in part the distribution requirement in Group A

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Course may be elected to fulfill in part the distribution requirement in Group B

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Course may be elected to fulfill in part the distribution requirement in Group C

The Cambridge Humanities Seminar is a collaborative effort by universities in the Boston-Cambridge area to enrich and diversify their interdisciplinary offerings in the humanities at an advanced level. The program is centered at the Massachusetts Institute of Technology and offers subjects to students in the humanities at participating institutions during the last two years of undergraduate and the first two years of graduate work, in an area of scholarship periodically determined by its membership. The program currently involves faculty in literature, history, philosophy, and fine arts. Its current subject is the idea of the past as it plays a role in the study of various cultural activities. All subjects have limited enrollment. For further information, contact Mrs. Stadler, chairman of the philosophy department.

### Semester I 1978-79

#### Painters and Philosophical Issues in Modernism

Twelve major painters of the last 100 years, from Manet to Olitski, studied. Equal emphasis given to their stylistic development through a close study of individual paintings and to the critical issues raised by their work, especially as these issues relate to the history of Modernist thought. Readings include writings of the artists themselves, as well as relevant critical and philosophical texts. Same course as Philosophy 328.

Mrs. Stadler, Mr. Ablow (Boston University)

#### Darwinism and Culture

Acquaints the student with some of the antecedents and consequents of Darwinian theory in biological, social, moral and religious speculation. Aims to show how the distinction between the history of science and the history of other forms of thought is in this case an artificial one. Readings in Malthus, Paley, Linnaeus, Lamarck, Auguste Comte, Darwin, Spencer, Huxley, Karl Marx.

Development of ideas of progress, organism, evolution, environment. Philosophical and cultural writings influenced by and critical of Darwinism. Significance of Darwinism in modern anthropology, biology, social and genetic theory.

Not offered in 1978-79.

Mr. Kibel (MIT)

**Issues in Literary Interpretation**

Examination of the ways in which issues arising in the interpretation of dreams, folk tales, sacred texts, works of visual art, and primitive cultures have influenced the practice of interpreting literary and narrative texts. Readings include Freud, T.S. Eliot, Empson, Lévi-Strauss, Derrida, Barthes, Gombrich, Panofsky, Walter Benjamin.

Mr. Kibel (MIT)

**Ideas and Society in Modern Europe I**

Conceptions of social life examined in their social and historical context: institutions of intellectual life. While philosophy and literature receive some attention, emphasis is on images of the social and political process. The Enlightenment and early nineteenth century are treated as background for a more intensive analysis of the period between about 1870 and 1920. The course will cover the intellectuals and society in 18th century Europe; the Enlightenment; Diderot, Rousseau, Condorcet; foundations of 19th century individualism, English utilitarianism and liberalism; the German literary and philosophical revival—ca. 1770-1830; from Kant to Hegel; varieties of Romanticism; some utopian socialists; Marx and the origins of Marxism; the intellectual and society in the age of Darwin; the transformation of Marxism during the latter 19th century. Required readings: Torrey, Norman, ed., *Les Philosophes*; Rousseau, *The Social Contract*; Mill, *On Liberty*; Randall, J.H., *The Career of Philosophy, Vol. II*; Halsted, John, ed., *Romanticism*; Manuel, Frank E., *The Prophets of Paris*; Marx, *Early Writings*; Williams, Raymond, *Culture and Society*; Darwin, Charles, *Origin of Species* (abridged); Lichtheim, George, *Marxism*

Mr. Ringer (Boston University)

**Semester II 1978-79****Ideas and Society in Modern Europe II**

Continues the approach of *Ideas and Society in Modern Europe I* for the period since about 1900. Central concern is the way in which intellectuals have conceived the relationship between knowledge and the social process. The course will cover the novel in France from Balzac to Zola; European socialism from 1880's to 1920's; the French fin de siècle; the German fin de siècle; Nietzsche; Freud; Durkheim and the origins of modern sociology; Tönnies and Simmel; Max Weber; interwar France; interwar Germany; Thomas Mann; from Lukacs to the Frankfurt School; Sartre. Required readings: Flaubert, *Sentimental Education*; Hughes, *Consciousness and Society* (parts); Ringer, *Decline of the German Mandarins* (parts); Nietzsche, *Birth of Tragedy and Genealogy of Morals*; Freud, *On Dreams*; Freud, *Civilization and Its Discontents*; Durkheim, *Suicide*; Gay, *Weimar Culture*; Mann, *Buddenbrooks*; Mann, *The Magic Mountain*.

Mr. Ringer (Boston University)

**On Quality in Art**

An exploration of recent and older attempts at formalizing critical and comparative judgments of works of visual art, tracing the subject back to its roots in the isolation during the sixteenth century of a distinct aesthetic realm, in order to investigate the extent to which objectivity of such judgment can be arrived at. Readings will be coordinated with analysis of art works to which they refer. Authors include selections from Vasari, Winckelmann, Baudelaire, Burckhardt, Hildebrand, Meier-Graefe, Berenson, Roger Fry, Apollinaire, Breton, Focillon, Panofsky, Gombrich, Jacob Rosenberg, Rhys Carpenter, James Ackerman.

Mrs. Martin (Boston University)

**Ideas of Progress**

Attempt to clarify the measure of agreement between different answers to the questions, what is progress? and how is it to be assessed? The rise of the idea of progress from the 17th century to its position as the universal religion of the modern world. Topics and readings include: Renaissance idea of artistic and scientific progress (Bacon); battle between ancients and moderns (Fontenelle); perfection through universal progress of mankind (Condorcet, Kant, Hegel); progress through revolution (Marx); progress through the formation of scientific elites (Comte); Darwin and the origins of cultural history; the idea of progress in contemporary views of science and art (Woißlin, T.S. Eliot, Popper, Kuhn, Northrop Frye). Same course as Philosophy 327.

Mrs. Stadler, Mr. Kibel (MIT)

### Culture and Criticism

A study of the major literary and cultural critics of the 19th century: Coleridge, Carlyle, Ruskin, and Arnold among others. Selected poems and novels considered as imaginative exercises in the "criticism of life": Matthew Arnold's definition of the essential function of literature. Some of the themes to be considered are the advent of mechanical civilization, the new authority of science, the weakening of religious authority, and the claim for (High) Culture and poetry as a spiritualizing force. Texts include: Carlyle's *Sartor Resartus*, Ruskin's "Nature of the Gothic," Arnold's *Culture and Anarchy*, Dickens' *Hard Times*.

Mr. Goodheart (Boston University)

### Experimental Courses

According to College legislation, the student-faculty Committee on Educational Research and Development has the authority to recommend experimental courses and programs to the dean of the college. Faculty members and students are invited to submit their ideas to the Committee. There are three criteria for an experimental course or program: a) it should address a defined problem in education at Wellesley; b) it should test a set of conscious assumptions about learning (and the results of the test should be communicated openly); c) it should not fit easily into conventional departmental contexts. The following are the experimental courses which have been proposed for 1978-79.

#### Discovery Course in Mathematics and its Applications

Formerly Experimental 101. This course is now offered as part of the mathematics curriculum (see Mathematics 150).

#### 201 (2) Exposition for Experts

1

The search for ways to explain specialized subject matter to educated laymen in clear, interesting prose without sacrificing accuracy and substance. Mandatory credit/noncredit. Open to seniors not majoring in English, or by permission of the instructor.

Miss Lever

### Extrdepartmental Courses

#### 100 (2) Tutorial in Expository Writing

1

An individual tutorial in writing, taught by juniors and seniors from a variety of academic departments. Requirements for the course include completion of weekly assignments in writing and revising and occasional reading assignments; weekly conferences with a student tutor; occasional conferences with faculty advisor. Mandatory credit/noncredit.

Open by permission of the class dean.

Mrs. Stubbs

#### 104 (1)\*\* Classical Mythology

1

For description and prerequisite see Greek 104.

#### 106 (2) Introduction to Chinese Culture

1

An inquiry into the patterns and themes of China's culture by examining its history, philosophy, religion, literature, art and science. Particular themes will be explored through a series of historical topics. The patterns we will look for should help us answer questions such as: why did the Chinese Empire continue to exist for four millenia? why did Chinese philosophy develop in the direction of Maoist ideology? Classes in English.

Open to all students without prerequisite.

Mr. Brook

#### 108 (2)\*\* Interpretations of Man in Western Literature

1

Representative views of the nature of man reflected in a selection of major works of European literature. The readings, chosen to emphasize the classical heritage, will include works of Vergil, Augustine, Dante, Machiavelli, Montaigne, Milton, Goethe, and Eliot. Open to all students.

Not offered in 1978-79.

Mr. Layman

**110 (1) (2) Introduction to Automatic Computation****1**

Modeling of computational processes as sequential algorithms. Formal and informal techniques for the representation of these algorithms and their implementation on digital computers. Experience in programming and running of elementary problems, numeric and nonnumeric, on a digital computer.

Open to all students.

Mr. Wolitzer

**112 (2)\*\*\*\* Evolution: Change Through Time****1**

Study of the concepts of evolution in the physical and biological world and their impact on man's view of himself, his place in nature, and his expectations for future change. Evidence for origins and change in the universe, the earth, and life forms will come from the various scientific disciplines. Consideration of the historical development of evolutionary concepts will provide the opportunity to examine carefully the manner in which scientific concepts are formulated, revised, and restated; what it means to be "objective" in science; and the degree to which preconceived ideas affect what we observe, record, and accept in science. Two periods for lecture and a 3-period demonstration section weekly. Meets the Group C distribution requirement as a nonlaboratory unit but does not count toward the minimum major in any Group C department.

Open only to freshmen and sophomores.

Not offered in 1978-79.

**114 (1)\*\*\* Introduction to Linguistics****1**

Designed to familiarize the student with some of the essential concepts of language description. Suitable problem sets in English and in other languages will provide opportunities to study the basic systems of language organization. Changes in linguistic methodology over the last century will also be discussed.

Open to all students.

Ms. Levitt

**119 (2)\* History of Science: Scientific Ideas and World Views****1**

The evolution of ideas about order, cause and chance and their role in Western man's changing views of himself, his world and his universe. Films from Jacob Bronowski's *Ascent of Man* series will provide a perspective for examining the contributions of such scientists as Newton, Darwin, and Einstein to the science of their time as well as to our own. Critical evaluation of the portrayal of scientific ideas and their impact in historical accounts, biography and film. (There will be two showings of each film outside of class hours.)

Open to all students.

Miss Webster

**141 (2) China on Film****1**

West looks East through the camera's eye. Charlie Chan in Shanghai, Shirley MacLaine at the Great Wall, Pearl Buck on the Good Earth: a cinematic exploration of Western conception of 20th century China. A broad selection of films, primarily documentary, will be analyzed in their historical context, supplemented by readings on both background material and film criticism. Focus on major shift of dominant Western opinion toward China. Films by Felix Greene, Antonioni, Rene Burri, Shirley MacLaine, Edgar Snow to be included among others. Course conducted in English. Discussion following each film showing. Short paper assignments through the course.

Open to all students.

Ms. Hinton

**201 (1)\*\* Russian Literature in Translation I****1**

For description and prerequisite see Russian 201.

**202 (2)\*\* Russian Literature in Translation II****1**

For description and prerequisite see Russian 202.

**203 (2)\*\* Greek Drama in Translation****1**

For description and prerequisite see Greek 203.

**210 (2) Contemporary Women: An Interdisciplinary Perspective****1**

The course will draw on several disciplines to aid students in orienting their thinking about the nature of women and their actual and possible positions in modern society.

Not offered in 1978-79.

**211 (1) Dante in English****1**

An introduction to Dante and his culture. This course presumes no special background and attempts to create a context in which Dante's poetry can be carefully explored. It concentrates on the *Divine Comedy* and Dante's use of his literary and philosophical sources. The centrality and encyclopedic nature of the comedy make it a paradigmatic work for students of the Middle Ages. Since Dante has profoundly influenced some key figures of the 19th and 20th centuries, students will find that he illuminates modern literature as well.

Open to all students.

Ms. Jacoff

**216 (2) Mathematics for the Physical Sciences****1**

Some basic techniques in applied mathematics are introduced via specific problems in natural sciences: random processes and statistics; harmonic analysis; dimensional analysis and scaling; variational calculus; potential theory; elementary group theory; introductory tensor calculus.

Prerequisite: Mathematics 201 or 215.

Mrs. Brecher

**220 (1) The Modern French Novel****1**

Psychology and aesthetics in works by Flaubert, Gide, Sartre, Beckett, and Robbe-Grillet, with emphasis on Proust's *Remembrance of Things Past*. Lectures, papers, and class discussion in English. Students may read the texts in French or in English translation.

Open to all students except those who have taken two or more Grade II courses in French literature.

Mr. Stambolian

**226 (1) History of Science: Historical Foundations of Twentieth Century Science****1**

Case studies from the history of several sciences illustrating changing patterns of scientific explanation, different modes of inquiry, and the impact of scientific innovation on human institutions. Selected episodes and original source materials from ancient and modern science through the 19th century will provide background for independent projects in the history of some aspect of 20th century science in the area of each student's particular interest.

Open to juniors and seniors who have completed at least four units in Group C; to sophomores only by permission of the instructor.

Miss Webster

**228 (2)\* \*\* Latin American Literature: Fantasy and Revolution****1**

Aesthetic and sociopolitical problems in the works of contemporary Latin American writers, as seen by Garcia Marquez, Cortazar, Paz, Donoso, and Neruda. Special attention will be given to the imaginative vision of Jorge Luis Borges.

Open to all students except those who have taken Spanish 306 and 307.

Ms. Ben-Ur

**230 (2) Seminar. Introduction to Computer Science****1**

Selected topics: Advanced programming techniques, elements of formal languages, automata and computability theory.

Prerequisite: Extrdepartmental 110 and permission of the instructor.

Mr. Wolitzer

**231 (1) Interpretation and Judgment of Films****1**

Close analysis of masterpieces of film art, drawn from the work of such directors as Eisenstein, Chaplin, Keaton, Dreyer, Ophuls, Welles, Bergman, Fellini, Godard, and Antonioni. Many short written assignments. Frequent screenings in the early part of the week of the film under discussion; students are required to see each film at least twice.

Open to all students.

Not offered in 1978-79.

Mr. Garis

**235 (1) Nineteenth and Twentieth Century Dance****1**

A course in the history of western theatrical dance as it has developed since 1800. The course will begin with romantic ballet and continue through classical and contemporary ballet. Modern dance, both the variety which developed from Wigman in Germany and that from Denishawn in the United States, will also be covered.

Ms. Temin

**237 (2)\* History and Structure of the Romance Languages****1**

Open to students of French, Italian, Spanish, and Latin, this course deals with the development of the modern Romance languages from Vulgar Latin. Primary emphasis will be placed on examining this development from a linguistic point of view, stressing general principles of historical change. Some reading and comparison of early texts in each of the languages will also be included. Offered in alternation with 238. Prerequisite: Extradepartmental 114 or by permission of the instructor.

Ms. Levitt

**238 (2)\* Linguistic Analysis of Social and Literary Expression****1**

An interdisciplinary course designed for students in the humanities and social sciences based on the application of linguistics to the analysis of language in its written and spoken forms. Emphasis on the ways literary styles are created, and levels of social expression are conveyed by variations in the structural and semantic organization of language. Offered in alternation with 237.

Prerequisite: Extradepartmental 114 or by permission of the instructor.

Not offered in 1978-79.

Ms. Levitt

**241 (1)\* \*\* Chinese Poetry and Drama in Translation****1**

A survey of Chinese literature of classical antiquity, with emphasis on works of lyrical nature. Readings include selections from *Book of Songs*, elegiac poetry of Ch'u Yuan and works by the great poets of the T'ang and Sung periods. The course concludes with the introduction to poetic drama of the Yuan Dynasty. Comparative analysis with other literature will be encouraged. Classes in English.

Open to all students without prerequisite.

Not offered in 1978-79.

**242 (2)\* \*\* Chinese Fiction in Translation****1**

A survey of Chinese narrative literature from the medieval period to the present. Readings include short stories from the Tang Dynasty to the end of the Ming, selections from the great classic novels of the Ming and Ching Dynasties, and prose fiction by 20th century authors. Discussions will focus on the different stylistic developments of high- and low-culture literature, the social significance of this literature, and the writer's perceptions of the customs, institutions, and conflict of his/her historical environment. Classes in English.

Open to all students without prerequisite.

Mr. Brook

**243 (1) Ancient Law****1**

Crime and punishment in Athens and Rome. The reflection of society's values in law. Emphasis on criminal procedure, rules of evidence, principles of jurisprudence. Reading in primary sources from Demosthenes to Justinian. Open to all students.

Mr. Fant

**245 (2) Films and the Novel in Italy****1**

An introduction to historical, political, and social aspects of post-war Italy; exploration of the interrelationship between Italian cinema and fiction in the development of both social realism and experimental modes of poetic expression. Emphasis on novels by authors such as Pavese, Calvino, Moravia, and Levi and analysis of films directed by Visconti, Rossellini, De Sica, Fellini, and Pasolini. Given in English. Students doing the reading and paper writing in Italian may count this course toward the major in Italian. Open to sophomores, juniors, and seniors.

Mrs. Ellerman

**246 (2)\*\*\* Ancient Medicine****1**

A survey of medical practice in the Near East, Greece, and Rome focusing on the development of rational medicine under Hippocrates and the medical achievements of the Hellenistic era. Also, theories of physical and mental diseases and their consequences for later Western medical practice, doctor-patient relations, malpractice suits, the cult of the healing god Asklepios, and miracle cures.

Open to all students.

Mr. Engels



**247 (1) (2) Arthurian Legends****1**

A survey of legends connected with King Arthur from the 6th century through the 15th with some attention to the new interpretations in the Renaissance, the 19th, and the 20th centuries. Special lectures by members of the medieval/renaissance studies program.

Open to sophomores, juniors, and seniors.

Miss Lever

**290 (1) Silver Age of Russian Literature****1**

Examination of representative Modernist works in fiction, poetry, drama and criticism from the beginnings of Symbolism (ca. 1900) to the onset of Socialist Realism (ca. 1930). The evolution of aesthetic norms and practices will be analyzed in the light of the cultural and historical developments of those decades. Meyerhold, Zam'atin, Blok, Mayakovsky and Mandel'shtam are among authors considered. Offered in English.

Open to all students.

Mr. Mickiewicz

**308 (1-2) Seminar for Materials Research in Archaeology and Ethnology****2**

Each year the Boston area interinstitutional Center for Materials Research in Archaeology and Ethnology sponsors a graduate seminar on the analysis of materials frequently encountered in field work: metals, floral and faunal remains, lithics, and ceramics. This year the seminar will concentrate on ceramics and will include discussions of pottery, glass, plasters, bricks, etc. The second semester will consist of laboratory work and individual research projects on primary source materials. Visiting professors from Boston University, Brandeis, Harvard, MIT, Museum of Fine Arts, Peabody Foundation (Andover), Tufts, U. of Mass. (Boston). Limited enrollment. Open only to juniors and seniors by permission of the instructor.

Mr. Tosi

**330 (1) Comparative Literature****1**

Topic for 1978-79: The tale within the novel. An examination of interrelated stories in novels, particularly of the 18th century. Readings for the course will include works by Cervantes, Fielding, Wieland, Sterne, Voltaire, Diderot, Goethe, and Melville.

Open to all students.

Mrs. Prather

**331 (2) Seminar. The Theatre Since 1945****1**

Comparative study of the major innovative forms of contemporary drama from the works of Beckett, Brecht, and Artaud to the most recent theatrical experiments in Europe and America. New critical approaches and playwrighting encouraged.

Open by permission of the instructor to juniors and seniors.

Mr. Stambolian

**335 (1) Seminar. American Studies****1**

Topic for 1978-79: America as the promised land. An examination of selected texts drawn from various disciplines and historical eras which attempts to define the promise of the American experience and analyze the fulfillment or failure of that promise.

Open by permission of the instructor.

Ms. Jacobs

**349 (2) Studies in Culture and Criticism****1**

Topic for 1978-79: Psychology, poetics, pleasure. Literature and its enjoyment can be understood in new ways because of advances in cognitive psychology (how we think, remember, read) and psychoanalytic theory (how and why we fantasize). By combining this knowledge with the Structuralist (and semiotic) studies of Jakobson, Lévi-Strauss, and others, the course will show the importance of the human sciences for the progress of literary criticism and poetics. Open by permission of the instructor to juniors and seniors from all departments.

Mr. Grimaud

# Interdepartmental Majors

The College offers five established interdepartmental major programs: classical civilization, classical and Near Eastern archaeology, East Asian studies, medieval/renaissance studies, and molecular biology. In addition, a student may design an individual major. All interdepartmental and individual majors must include at least four units of work in one department above the Grade I level, and at least two Grade III units. Some representative individual majors and courses available for them are included in this section.

## Classical Civilization

Director: Geffcken

Students who wish a classical civilization major can plan with the Departments of Greek and Latin an appropriate sequence of courses, which should include work in art, history, philosophy, and literature. Such a program should always contain at least four units in the original language. Basic knowledge of French or German is recommended.

The selections listed below are available for majors in classical civilization.

Greek: All courses in the original. Latin: All courses in the original.

### Art 100 (1-2)

Introductory Course

### Art 200 (1)\*

Classical Art

### Art 334 (1)\*

Seminar. Problems in Archaeological Method and Theory

### Extrdepartmental 243 (1)

Ancient Law

### Extrdepartmental 246 (2)

Ancient Medicine

### Greek 104 (1)

Classical Mythology

### Greek 203 (2)

Greek Drama in Translation

### Greek 328 (2)

Problems in Ancient History and Historiography

### History 230 (1)\*

Greek History from the Bronze Age to the Death of Alexander the Great

### Philosophy 101 (1) (2)

Plato's Dialogues As an Introduction to Philosophy

### Philosophy 311 (1)

Plato

### Religion and Biblical Studies 104 (1) (2)

Introduction to the Hebrew Bible

### Religion and Biblical Studies 105 (1) (2)

The Person and Message of Jesus

### Religion and Biblical Studies 204 (1)\*

Christian Beginnings in the Hellenistic World

### Religion and Biblical Studies 207 (2)

New Testament Greek

### Religion and Biblical Studies 307 (2)\*

Seminar. The New Testament

## Classical and Near Eastern

### Archaeology

Director: Marvin

The purpose of a major in classical and Near Eastern archaeology is to acquaint the student with the complex societies of the Old World in antiquity.

The program for each student will be planned individually from courses in the departments of anthropology, art, Greek, history, Latin, philosophy, and religion and biblical studies as well as from the architecture and anthropology programs at MIT. Certain courses in statistical methods, geology, and chemistry are also useful. The introductory course in archaeology (Anthropology 106) or its equivalent is required for all archaeology majors.

Students who concentrate in classical archaeology must normally have at least an elementary knowledge of both Greek and Latin. Students who concentrate on the ancient Near East must have knowledge of one ancient Near Eastern language and have taken Anthropology 344

which details the emergence of early urban societies, and Religion 203 which traces their later history.

Students should plan for at least one summer of excavation and travel. Scholarship aid for this travel is available from the Stecher Fund for qualified students. See p. 43.

### East Asian Studies

Directors: Cohen, Lin

Students interested in graduate work and a career in Chinese studies should take extensive Chinese language work; students interested in a broader range of courses on Asia may take a minimum of Chinese language work or none.

The following courses are available for majors in East Asian studies:

#### Art 120 (1)

Themes and Meaning  
in Asian Art

#### Art 248 (2)

Chinese Art

#### Art 249 (1)

Far Eastern Art

#### Art 337 (2)\*

Seminar. Chinese Art

#### Chinese 101 (1-2)

Elementary Spoken Chinese

#### Chinese 102 (1-2)

Basic Chinese Reading and Writing

#### Chinese 151 (2)

Advanced Elementary Chinese

#### Chinese 201 (1-2)

Intermediate Chinese Reading

#### Chinese 202 (1-2)

Intermediate Conversational Chinese

#### Chinese 241 (1)\*

Chinese Poetry and Drama in Translation

#### Chinese 242 (2)\*

Chinese Fiction in Translation

#### Chinese 252 (1)

Readings in Modern Style Writings

#### Chinese 300 (2)

Readings in Contemporary Chinese Literature

#### Chinese 301 (2)

Readings in Expository Writings of Revolutionary China, Before and After 1949

#### Chinese 310 (1)

Introduction to Literary Chinese

#### Chinese 311 (2)

Readings in Elementary Classical Chinese

#### Chinese 316 (1)

Seminar. Chinese Literature in the Twentieth Century

#### Extradepartmental 106 (2)

Introduction to Chinese Culture

#### Extradepartmental 141 (2)

China on Film

#### History 150 (1) c

China in Outside Perspective

#### History 271 (1)

Japanese History

#### History 272 (1)

Traditional and Early Modern Japanese History

#### History 273 (2)

Society and Economy in Modern Japan

#### History 275 (1)

Premodern Chinese History

#### History 276 (1)

Modern Chinese History

#### History 345 (1)

Seminar. Chinese History I

#### History 346 (2)

Seminar. Chinese History II

#### Political Science 300 (2)

Politics of East Asia

#### Religion and Biblical Studies 108 (1) (2)

Introduction to Asian Religions

#### Religion and Biblical Studies 253 (1)\*

Buddhist Thought and Practice

#### Religion and Biblical Studies 254 (2)\*

Chinese Thought and Religion

#### Religion and Biblical Studies 255 (2)\*

Japanese Religion and Culture

**Religion and Biblical Studies 305 (2)**

Seminar in Asian Religions

**Sociology 233 (1)**

Women and Developing Societies

**Medieval/Renaissance Studies**

Director: Fergusson

The major in medieval/renaissance studies enables students to explore the infinite richness and variety of western civilization from later Greco-Roman times to the Age of the Renaissance and Reformation, as reflected in art, history, music, literature, and language.

Numerous opportunities for study abroad exist for those who wish to broaden their experience and supplement research skills through direct contact with European and Mediterranean culture. Majors who are contemplating postgraduate academic or professional careers should consult faculty advisors, who will assist them in planning a sequence of courses that will provide them with a sound background in the linguistic and critical techniques essential to further work in their chosen fields. Individual interests and needs can be accommodated through independent study projects carried out under the supervision of one or more faculty members and designed to supplement, or substitute for, advanced seminar-level work. Art and Religion 332 is the seminar recommended for majors in medieval/renaissance studies in 1978-79. Among the courses available for majors and prospective majors are:

**Art 100 (1)**

Introductory Course

**Art 202 (1)**

Medieval Art

**Art 203 (2)**

Cathedrals and Castles of the High Middle Ages

**Art 215 (1)**

European Art to the Renaissance

**Art 251 (1)**

Italian Renaissance Art

**Art 254 (2)\***

Art of the City: Medieval, Renaissance, and Baroque

**Art 302 (1)\***

Italian Painting: The Fourteenth and Fifteenth Centuries

**Art 304 (2)\***

Late Medieval and Renaissance Sculpture

**Art 309 (2)\***

Renaissance and Baroque Architecture

**Art 311 (1)\***

Northern European Painting and Printmaking

**Art 330 (2)\***

Seminar. Venetian Art

**Art 332 (2)\***

Seminar. Medieval Relics and Saints' Lives

**English 112 (1) (2)**

Shakespeare

**English 211 (1)\***

Medieval Literature

**English 213 (2)**

Chaucer

**English 222 (2)**

Renaissance Literature

**English 282 (1)\***

Tragedy

**English 323 (1)**

Advanced Studies in Shakespeare I

**English 324 (1) (2)**

Advanced Studies in Shakespeare II

**English 381 (1)**

The English Language

**Extrdepartmental 108 (2)**

Interpretations of Man in Western Literature

**Extrdepartmental 211 (1)**

Dante in English

**Extrdepartmental 247 (1) (2)**

Arthurian Legends

**French 212 (1)**

Medieval French Literature I

**French 300 (2)**

French Literature of the Renaissance

**French 312 (1)**

Medieval French Literature II

**History 100 (1) (2)**

Medieval and Early Modern European History

**History 230 (1)\***

Greek History from the Bronze Age to the Death of Alexander the Great

**History 231 (1)\***

History of Rome

**History 232 (1)**

Medieval Civilization, 1000 to 1300

**History 233 (1)**

The Renaissance and Reformation Movements, 1300 to 1600

**History 235 (2)**

Medieval and Early Modern European Intellectual History

**History 238 (1)**

English History: 1066 and All That

**History 239 (2)**

English History: Tudors and Stuarts

**History 241 (2)**

The Disintegration of Medieval France

**History 328 (2)**

Problems in Ancient History and Historiography

**History 330 (2)**

Seminar. Medieval/Early Modern Europe

**Italian 207 (2)**

Significant Moments of the Italian Literature of the Middle Ages and the Renaissance

**Italian 301 (1-2)**

Dante

**Latin 207 (2)**

Medieval Latin

**Music 303 (1)**

The Middle Ages and the Renaissance

**Political Science 240 (1)\***

Classical and Medieval Political Theory

**Religion and Biblical Studies 216 (1)**

Classical Christian Theology

**Religion and Biblical Studies 232 (2)**

Religious Autobiography

**Religion and Biblical Studies 242 (2)**

Christianity in the Arts

**Spanish 206 (1)**

Landmarks of Spanish Literature I

**Spanish 302 (2)\***

Cervantes

**Molecular Biology**

Director: Allen

The Departments of Biological Sciences and Chemistry offer an interdepartmental major in molecular biology which gives opportunity for advanced study of the chemistry of biological systems.

In addition to two units of biochemistry (221 and 326), the area of concentration consists of four units of chemistry (either 105, 106, 107, 108 or [100 or 103]; 110 or [104]; 211; and 231); five units of biology (110 or [101], 111 or [100], 205, 200 or 206, and one Grade III unit with a scheduled laboratory taken at Wellesley College (excluding 350 or 370); Physics 104, 105, or 110; and Mathematics [111], 116 or the equivalent.

**Individual Majors**

Students who are interested in interdisciplinary work may design an individual major, in consultation with two faculty advisors. The program for the individual major is subject to the approval of the Committee on Curriculum and Instruction. In setting up guidelines for the individual major, the committee hopes to extend the possibility for a major which crosses traditional departmental lines to those students who could most benefit from such a major and to assure suitable guidance to the student in selecting appropriate courses for the major. The program for the individual major should include four units in one department above the Grade I level, and two Grade III units.

The majors and suggested courses listed below are representative of the more established programs.

**American Studies**

Director: Quinn

American studies is a highly flexible, interdisciplinary program designed to illuminate varieties of the American experience. A wide selection of courses in different departments within the College may be taken for credit in the major. This flexibility enables students to develop individual programs of study. Students are encouraged to integrate diverse elements of American experience by working closely with their advisors and by taking courses which focus on what is enduring and characteristic in American culture.

There are no required courses. Among the courses which have been designed to assist students in developing their own ideas about characteristic themes in American culture is Extra-departmental 335, *America As the Promised Land*.

The following is a partial list of other courses available that may be included in an American studies major:

**Anthropology 210 (2)**

Racial and Ethnic Minorities

**Art 226 (1)**

History of Afro-American Art

**Art 231 (1)**

American Art from Colonial Times to the Civil War

**Art 232 (2)**

American Art from the Civil War to the Foundation of the New York School

**Black Studies 206 (1-2)**

Afro-American History

**Black Studies 230 (2)**

The Black Woman

**Black Studies 320 (1)**

Black Institutions

**Economics 204 (2)\***

American Economic History

**Economics 230 (1)**

Labor Economics

**Economics 305 (2)**

Industrial Organization

**Education 212 (1)**

History of American Education

**English 150 (2)**

Literary Boston

**English 261 (1)**

American Literature I

**English 262 (2)**

American Literature II

**English 263 (1) (2)**

American Literature III

**English 264 (2)**

Black Literature in America

**History 250 (1)**

The First Frontier

**History 251 (2)**

The United States in the Eighteenth Century

**History 252 (1)**

The United States in the Nineteenth Century

**History 253 (1)**

The United States in the Twentieth Century

**Philosophy 222 (2)\***

American Philosophy

**Political Science 210 (1)**

Voters, Parties and Elections

**Political Science 310 (2)**

Political Decision-Making in the United States

**Political Science 332 (1)**

The Supreme Court in American Politics

**Political Science 340 (1)\***

American Political Thought

**Religion and Biblical Studies 218 (1)**

Religion in America

**Sociology 103 (2)**

American Society

**Sociology 324 (2)**

Seminar. Strategies of Social Change in Contemporary America

**Italian Culture**

Director: Avitabile

The major in Italian culture offers students the opportunity of becoming proficient in the language and of acquiring knowledge and understanding of Italy through the study of its art, history, literature, music, and thought.

The program for each student will be planned on an individual basis and is subject to the approval of the director. At least four units in Italian above the Grade I level, one of which shall be of Grade III level, must be included in the program.

The following courses are available for majors in Italian culture:

**Art 220 (1)**

Painting and Sculpture of the Later Sixteenth and Seventeenth Centuries in Southern Europe

**Art 251 (1)**

Italian Renaissance Art

**Art 254 (2)\***

Art of the City: Medieval, Renaissance, and Baroque

**Art 302 (1)\***

Italian Painting: The Fourteenth and Fifteenth Centuries

**Art 304 (2)\***

Late Medieval and Renaissance Sculpture

**Art 309 (2)\***

Renaissance and Baroque Architecture

**Art 330 (2)\***

Seminar. Venetian Art

**Art 331 (2)**

Seminar. Italian Art

**Art 333 (1)**

Seminar. Baroque Art

**Extrdepartmental 211 (1)**

Dante in English

**Extrdepartmental 245 (2)**

Films and the Novel in Italy

**History 233 (1)**

The Renaissance and Reformation Movements, 1300 to 1600

**Italian 202 (1)**

Intermediate Italian

**Italian 205 (2)**

Contemporary Italy

**Italian 207 (2)**

Significant Moments of the Italian Literature of the Middle Ages and the Renaissance

**Italian 208 (1)**

Italian Romanticism

**Italian 301 (1-2)**

Dante

**Italian 302 (1)\***

The Theatre in Italy

**Italian 303 (1)\***

The Short Story in Italy Through the Ages

**Italian 308 (2)**

The Contemporary Novel

**Italian 349 (2)**

Seminar. Literature and Society

**Music 208 (2)\***

The Baroque Era

**Music 215 (2)**

Vocal Forms. The Opera.

**Music 307 (2)\***

The Opera

**Language Studies**

The following courses are available in language studies:

**English 381 (1)**

The English Language

**Extrdepartmental 114 (1)**

Introduction to Linguistics

**Extrdepartmental 237 (2)\***

History and Structure of the Romance Languages

**Extrdepartmental 238 (2)\***

Linguistic Analysis of Social and Literary Expression

**French 308 (1)**

Advanced Studies in Language I

**French 309 (2)**

Advanced Studies in Language II

**Philosophy 204 (1)**

Philosophy of Language

**Psychology 216 (2)**

Psycholinguistics

**Russian 249 (1)\***

Language

**Theatre Studies**

Director: Barstow

The individual major in theatre studies offers opportunity for study of the theatre through its history, literature, criticism, and related arts and through the disciplines of its practitioners: playwrights, directors, designers, actors, and producers.

The student's program in the major may be adapted to individual interests. Focus may be on the theatre and a national dramatic literature, on the theatre and related arts, or, within the general demands of the curriculum, a variety of emphases may be evolved, including work in such areas as philosophy, history, psychology, sociology, and religion.

Theatre Studies 203 and both semesters of Theatre Studies 210 are required for the major. At least four units above Grade I normally should be elected in a literature department (English, French, German, Greek and Latin, Italian, Russian, or Spanish), with emphasis on dramatic literature. At least two units above Grade I normally should be elected in art or music. Two of the six units thus specified (or their equivalents) must be Grade III.

Students electing to design a major in theatre studies normally will take at least one resident semester of concentrated work in the discipline either with the National Theatre Institute at the Eugene O'Neill Theatre Center in Waterford, Connecticut, or at another institution in the Twelve College Exchange Program, to supplement and enrich their work at Wellesley.

Since developments in the theatre arts are the results of stage experiments, and because the theatre performance is an expression of theatre scholarship, it is expected that theatre studies majors will elect to complement formal study of theatre history and theory with practical experience in the extracurricular production program of the Wellesley College Theatre.

In addition to the offerings of the Theatre Studies Department, the following courses are specifically relevant to the individual major in theatre studies:

**English 112 (1) (2)**

Shakespeare

**English 127 (1) (2)**

Modern Drama

**English 282 (1)\***

Tragedy

**English 323 (1)**

Advanced Studies in Shakespeare I

**English 324 (1) (2)**

Advanced Studies in Shakespeare II

**Extrdepartmental 235 (1)**

Nineteenth and Twentieth Century Dance

**Extrdepartmental 331 (2)**

Seminar. The Theatre Since 1945

**French 213 (1) (2)**

French Drama in the Twentieth Century

**Greek 203 (2)**

Greek Drama in Translation

**Greek 302 (2)\***

Aeschylus and Sophocles

**Greek 304 (2)\***

Euripides

**History 236 (1)\***

The Emergence of Modern European Culture: The Seventeenth and Eighteenth Centuries

**Italian 302 (1)\***

The Theatre in Italy

**Music 200 (1-2)**

Design in Music

**Music 307 (2)\***

The Opera

**Philosophy 203 (2)**

Philosophy of Art

The following courses are specifically relevant to the individual design major in theatre studies:

**Art 100 (1-2)**

Introductory Course

**Art 105 (1) (2)**

Drawing I



**Art 108 (1) (2)**  
Photography I

**Art 209 (1-2)**  
Basic Design

**Art 210 (1)**  
Color

Majors taking Design for the Theatre (206) are encouraged to take Art 100 and one or more of the following, before taking 206: Art 105, 108, 209, 210.

**Urban Studies**  
Director: Case

An individual major in urban studies may be designed by students in consultation with two faculty advisors, each representing different departments. *These programs are subject to the approval of the Committee on Curriculum and Instruction.*

The program should include 4 units in one department above the Grade I level. Moreover, at least 2 units must be at the advanced (Grade III) level. This concentration is to provide majors with a sound disciplinary background and to equip them for further academic or professional work. Such concentration usually occurs within the Departments of Anthropology, Art, Black Studies, Economics, History, Political Science, Psychology, or Sociology.

The interdisciplinary approach, based on particular student interests, may emphasize urban problem-solving and public administration, urban design, urban education, or the urban environment. An understanding of the processes which create and sustain urban systems should be at the core of an urban studies major.

Students should note carefully the course prerequisites set by each department. It is also strongly recommended that majors elect basic methodology courses in their field of concentration (e.g., Political Science 249, Sociology 201, 202 sequence, etc.). This focus will provide techniques and tools of analysis pertinent to a disciplined perspective on urban processes and/or policy.

Students are also encouraged to apply for experientially based programs such as the Urban Politics Summer Internship, programs sponsored by the Career Services Office, and to elect Political Science 318 (Field Research Seminar in Pub-

lic Policy) and Sociology 329 (Internship Seminar in Organizations). Additional opportunities for courses and field work are available through MIT cross-registration.

The following courses are available for majors in urban studies:

**Anthropology 210 (2)**  
Racial and Ethnic Minorities

**Anthropology 234 (2)\***  
Urban Poverty

**Anthropology 242 (2)\***  
The Emergence of Early Urban Societies

**Anthropology 345 (1)**  
Seminar in Urban Anthropology

**Art 254 (2)\***  
Art of the City: Medieval, Renaissance, and Baroque

**Biological Sciences 307 (1)**  
Topics in Ecology

**Black Studies 105 (1)**  
Introduction to the Black Experience

**Black Studies 206 (1-2)**  
Afro-American History

**Black Studies 212 (1)**  
Introduction to Afro-American Politics

**Black Studies 213 (2)**  
Political Development in the Black Community

**Black Studies 214 (2)**  
Blacks and the United States Supreme Court

**Black Studies 315 (1)**  
Urban Black Politics in the South

**Economics 225 (2)**  
Urban Economics

**Economics 239 (2)**  
Seminar, Economics of the Environment

**Education 216 (2)**  
Education, Society and Social Policy

**English 150 (2)**  
Literary Boston

**History 252 (1)**  
The United States in the Nineteenth Century

**History 253 (1)**  
The United States in the Twentieth Century

**History 254 (2)**

United States Urban History

**Political Science 212 (2)**

Urban Politics

**Political Science 315 (1)**

Bureaucratic Politics

**Political Science 318 (2)**

Field Research Seminar in Public Policy

**Psychology 313 (2)**

Seminar. Group Psychology

**Psychology 340 (1)**

Seminar. Applied Psychology

**Sociology 120 (2)**

The Metropolitan Community

**Sociology 209 (1)**

Social Inequality

**Sociology 320 (2)**

Urban Social Systems

**Sociology 329 (2)**

Internship Seminar in Organizations

**History 257 (2)**

Women in American History

**History 332 (1)**

Seminar. The "Woman Question" in Victorian England

**Psychology 301 (1) (2)**

Seminar. The Role of Sex-Typing in Childhood Socialization

**Psychology 303 (2)**

The Psychological Implications of Being Female

**Religion and Biblical Studies 224 (1)**

Male and Female in Contemporary Christian Thought

**Sociology 233 (1)**

Women and Developing Societies

**Women's Studies**

The following courses are available in women's studies. Other courses are available each semester through cross-registration with MIT.

**Black Studies 230 (2)**

The Black Woman

**Education 206 (1)**

Women, Education and Work

**Education 208 (2)**

Growing Up Female

**Extrdepartmental 210 (2)**

Contemporary Women: An Interdisciplinary Perspective

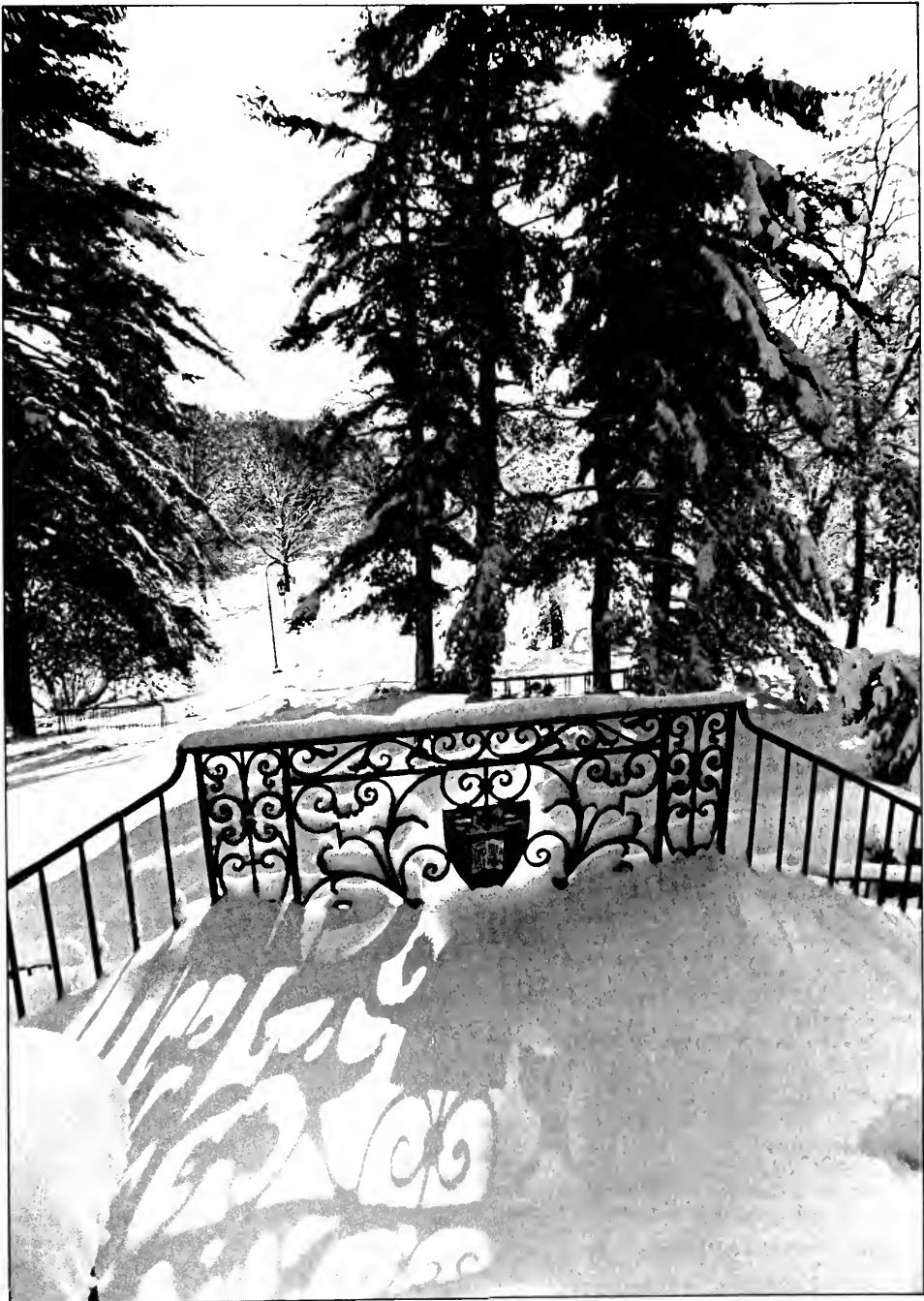
**French 319 (1)**

Women and Literary Expression

**History 150 (1) d**

Henry VIII: Wives and Policy

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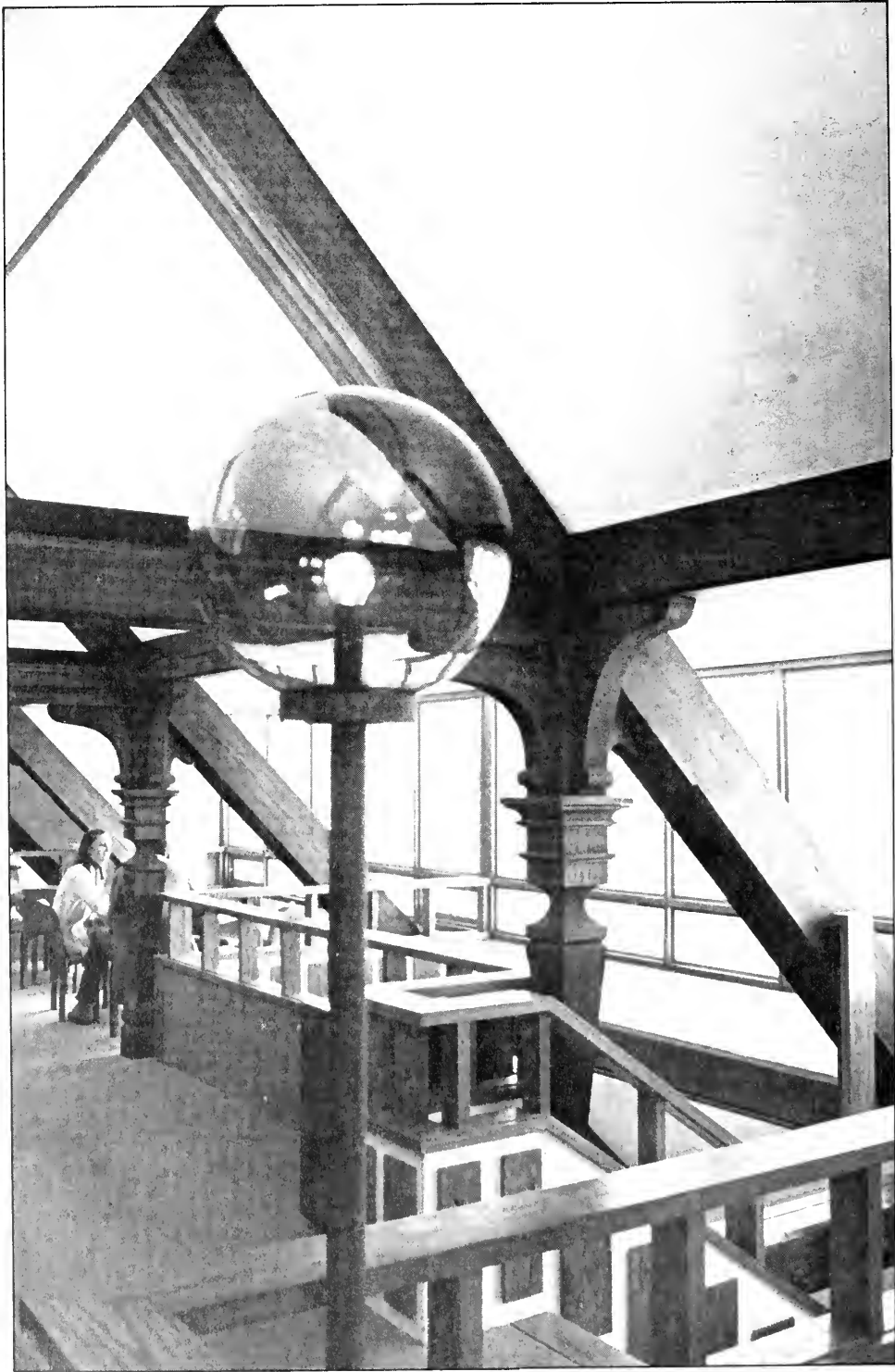
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# Index

- Academic
  - calendar, 3
  - distinctions, 44
  - honors in the major field, 44
  - Review Board, 39
  - rules and procedures, 39-41
  - standards, 38
  - summary, 29
- Acceleration, 40
- Adding courses, 40
- Administration, 187-191
- Admission, 13-16
  - application for, 14
  - campus visit, 14
  - College Entrance Examination Board tests, 15
  - criteria for, 14
  - deferred entrance, 16
  - early admission, 15
  - early decision, 15
  - early evaluation, 15
  - foreign students, 16
  - general requirements for freshman applicants, 14
  - interview, 14
  - plans, 15
  - transfer students, 16
  - U.S. citizens living abroad, 16
- Advanced placement, credit for, 38
- Alumnae, 193-195
  - Association, board of directors, 194
  - National Development Fund Committee, 195
  - trustees, 194
- Alumnae Hall, 33
- American studies, individual major, 164
- Anthropology courses, 47-49
- Archaeology, classical and Near Eastern,
  - interdepartmental major, 160
- Art courses, 50-57
- Arts center, 32
- Astronomy courses, 57-58
- Auditing courses, 40
- Bachelor of Arts degree, requirements for, 36
- Beit Shalom, 34
- Biblical studies courses, 137-142
- Biological sciences courses, 59-63
- Black studies courses, 63-67
- Buildings, see Campus
- Calendar, 3
- Cambridge Humanities Seminar, 41, 153-155
- Campus, description of, 31-34
  - map of, 196
- Campus facilities, 34
- Career counseling, 28
- Career Services Office, 28-29
- Chapel, 33
- Chemistry courses, 67-70
- Child Study Center, 33
- Chinese courses, 70-72
- Choir, 116
- Classical civilization, interdepartmental major, 160
- Classical and Near Eastern archaeology,
  - interdepartmental major, 160-161
- College, history of, 9-12
- College Entrance Examination Board tests, 15
- College Government, 11
- College Health Services, 28
- Colloquia, freshman-sophomore, 41, 46
- Community involvement, 43
- Computer facilities, 32
- Confidentiality of student records, 24
- Continuing education, 19, 43-44
- Correspondence, 4
- Counseling resources, 27-28
- Courses of instruction, 45-168
- Credit
  - for advanced placement examination, 38
  - for community involvement, 43
  - for other academic work, 38
  - for summer school and independent study, 39
- Cross-registration, Massachusetts Institute of Technology, 41-42
- Curriculum, 36-44
- Degree
  - B.A., requirements for, 36
- Development, national committee, 195
- Directory information, 24
- Distribution requirements, 36
- Dormitories, 27, 33
- Dropping courses, 40
- Early evaluation, 15
- East Asian studies, interdepartmental major, 161-162
- Economic internship program, 43
- Economics courses, 73-76
- Education courses, 76-78
- Emeriti professors, 185-186
- Employment, student, 29
- English courses, 78-83
- Enrollment statistics, 29-30
- Examinations, 39
  - advanced placement, 38
  - exemption, 39-40
- Exchange Program, Spelman-Wellesley, 42
- Exchange Program, Twelve College, 42
- Expenses, general, 18
- Experimental courses, 155
- Extracurricular facilities, 33
- Extrdepartmental courses, 153-159
- Faculty, see Officers of Instruction
- Federal Income Tax Return, 22
- Fees and expenses, 18-19
  - annual fee, 18
  - continuing education, 19
  - general deposit, 18
  - general expenses, 18
  - plans of payment, 18, 20-21
  - reservation fee, 18
  - room retainer fee, 18
  - special fees and expenses, 18
  - student activity fee, 18

Fellowships,  
undergraduate and graduate, 23, 29  
Financial aid, 21-22  
application for, 22  
Federal Income Tax Return, 22  
form, 22  
jobs, campus and off campus, 22  
payments, 18  
transfer students, 22  
Financial information, 17-22  
Foreign language requirements, 36-37  
Foreign students  
admission of, 16  
countries, 30  
French courses, 84-88  
Freshman  
admission requirements, 14  
Freshman-sophomore colloquia, 41, 46

Geographic distribution chart, 30  
Geology courses, 88-90  
German courses, 90-92  
Gifts and bequests, 192  
Grading system, 39

Graduate fellowships, 23  
Graduate school information, 29  
Greek and Latin courses, 93-96  
Greek courses, 93-94  
Green Hall, 34  
Greenhouses, 32

Harambee House, 33-34  
Health services, 28  
infirmary, 34  
medical insurance, 19  
History courses, 97-106  
History of art, 50-55  
History of science courses, 157  
Honor Basis, 26-27  
Honors in the major field, 44

Individual majors, 163-168  
Individual study, 38-39  
Infirmary, 34  
Insurance, medical, 19  
Interdepartmental majors, 160-168  
Internship information, 29  
Internships, summer, 43  
Interview, 14  
Italian courses, 106-108  
Italian Culture, individual major, 165

Jewett Arts Center, 32  
Job notices, 29  
Job opportunities, 29  
Junior Year Abroad, 42

La Casa, 34  
Language studies, individual major, 165-166  
Latin courses, 94-96  
Leave of absence, 41

Library, 33  
Loans, 21

Major, 37-38  
Massachusetts Institute of Technology,  
cross-registration, 41-42  
Mathematics courses, 108-111  
Medical insurance, 19  
Medical school, 38  
Medieval/Renaissance studies, interdepart-  
mental major, 162-163  
Molecular biology, interdepartmental major, 163  
Music courses, 112-116  
performing music, 115  
performing organizations, 116

National Development Fund Committee, 195  
Nondiscrimination, policy of, 24

Observatory, 32  
Officers of Instruction, 169-186  
Orchestra, 116

Phi Beta Kappa, 44  
Philosophy courses, 116-120  
Physical education courses, 120-122  
Physical education facilities, 33  
Physics courses, 122-124  
Plans of payment, 18, 20-21  
Policies, 24  
Political science courses, 125-131  
Preparation for medical school, 38  
Presidents, 8  
President's House, 34  
Psychology courses, 132-136

Readmission, 41  
Refunds, 19  
Registration for courses, 40  
Religion and biblical studies courses, 137-142  
Religious resources, 28  
Required studies,  
exemption from, 38  
Requirements  
Bachelor of Arts, 36  
distribution, 36  
exemptions, 38  
foreign language, 36-37  
other, 37  
Research, student, 38-39  
Residence halls, 27, 33  
Russian courses, 142-144

Schneider College Center, 33  
Scholarships, 29, 41, 42  
Scholastic aptitude and achievement tests, 15  
Science Center, 32  
Secondary school teaching, 78  
Sigma Xi, 44  
Slater International Center, 34  
Slater scholarship, 42, 43  
Society houses, 34



- Sociology courses, 144-148
- Spanish courses, 148-151
- Special academic programs, 41
- Spelman-Wellesley Experimental Exchange Program, 42
- Sports facilities, 33
- Stecher scholarship, 42, 43
- Student life, 25-30
- Student records, confidentiality of, 24
- Students
  - academic summary, 29
  - from other countries, 16
  - geographic distribution, 30
- Students' Aid Society, 21
- Study abroad
  - junior year, 42
  - summer, 43
- Summer
  - internships, 43
  - jobs, 22
- Teaching, student preparation for, 78
- Theatre studies courses, 151-152
- Theatre studies, individual major, 166-167
- Transfer students
  - admission, 16
  - financial aid, 22
- Trustees, board of, 5-7
- Tuition
  - payments, 18, 20-21
- Twelve College Exchange Program, 42
- Urban internship program, 43
- Urban studies, individual major, 167-168
- Visitors, 4
- Waddell scholarships, 42, 43
- Washington internship program, 43
- Wellesley College Center for Research on Women, 34
- Wellesley College Club, 34
- Withdrawal, 41
- Women's research center, 34
- Women's studies, individual major, 168



- 1 **SPORTS** The first Wellesley students played tag and "London Bridge is Falling Down" but today's students have come a long way. The student-run Sports Association sponsors ten intercollegiate teams and the Physical Education curriculum offers more than thirty courses ranging from archery to yoga, crew, squash, lacrosse, field hockey, crew, cross-country skiing, fencing, and dance. The RECREATION BUILDING houses a variety of athletic equipment. It also includes a swimming pool, squash courts, a dance studio, and a universal gym room.
- 2 **ALUMNAE HALL** This building was initiated by students back in 1908. The theatre department's theatricals, major cultural events, and the annual parody of life at Wellesley "Junior Show" are performed here.
- 3 **HAY AMPHITHEATRE** Each year the Classics Department enacts ancient Greek and Latin plays in the original language (often an updated translation is provided) in the characteristic outdoor theatre.
- 4 **THE WEATHER** The fall is usually pleasantly cool, winter is cold and snowdriven, and spring is anybody's guess. But as the saying goes "If you don't like the weather in New England wait five minutes..."
- 5 **JEWETT ARTS CENTER** is the center for the art and music departments. Jewett features concerts at mid-day, gallery exhibitions, art studios and music rooms. The building is versatile enough to accommodate the Wellesley Experimental Theatre group and the frequent visiting troupes.
- 6 **LAKE WABAN** Named after the Waban Indian tribe that once inhabited the area, Mr. and Mrs. Durant once imported and employed a gondolier to propel a gondola across the lake. Now self-sufficient, Wellesley students use the lake for crew practice, sailing, canoeing, and swimming.
- 7 **SLATER** is the International Center for all foreign students. Slater members sponsor an international Weekend in the spring semester complete with samplings of the world's cuisine and cultures.
- 8 **LA CASA** is the center for Mexican students (Native Americans, Chicana, and Puerto Rican).
- 9 **SHAKESPEARE HOUSE** Shakespeare Society was founded in 1877 as a branch of the Shakespeare Society of London. Members produce two Shakespeare plays each year in this authentic replica of a Tudor cottage—as they like it!
- 10 **SEVERANCE GREEN** is the site for Commencement and the best snow sledding on campus.
- 11 **LIBRARY** contains everything from rare books to the "computer lounge."
- 12 **HARAMBEE HOUSE** is the Black cultural center. (Harambee is the Swahili word meaning "working together.")
- 13 **TZE AND ZA** were originally the performing art and literary societies. They exist only nominally now while the houses offer members primarily a place to entertain and enjoy social activities.
- 14 **PENDELTON EAST** The Departments of Political Science, Sociology, Anthropology, Education, and Economics.
- 15 **PENDELTON WEST** Additional art studios and music rooms.
- 16 **GALEN STONE TOWER** is an official landmark of Wellesley College and the home of Wellesley's carillon.
- 17 **GREEN HALL** Location of administrative offices.
- 18 **FOUNDERS HALL** The Departments of English, Classics, History, Philosophy, and Languages.
- 19 **PHI SIGMA** is the headquarters for Continuing Education students.
- 20 **TUPELO POINT** Wellesley legend has it that if a girl and her beau walked around the lake twice the second time they arrived at Tupelo Point he would ask her to marry him. Now, most Wellesley women either jog around the lake or enjoy the view.
- 21 **PARAMEGUM POND** During the fall and spring, goldfish and lily pads grace the azalea-lined pond. In the winter, the pond becomes a pool of glass for ice skating.
- 22 **HUGHTON MEMORIAL CHAPEL** was dedicated in 1889. At the beginning of each academic year the College assembles here for Opening Convocation. The first Sunday of the academic year, designated as "Flower Sunday," is the traditional service where the "Big Sisters" take their "Little Sisters" to hear the first sermon of the year. "God is love." Regular service is held each Sunday.
- 23 **CHAPEL STEPS** Classes assemble here for Step Singing, to sing the Wellesley songs and give the Wellesley cheer.
- 24 **SCHNEIDER COLLEGE CENTER** is the hub of social activity on campus. The meeting place for many student organizations, and the home of the Nonresident Lounge.
- 25 **BILLINGS**, adjoining Schneider houses the Nonresident Lounge, College Government offices, Residence Office, and the Chaplaincy.
- 26 **WHITIN OBSERVATORY** opened in 1900 offered students then and now one of the finest undergraduate observational facilities in the country. The three telescopes, a 24-inch reflector, a 12-inch refractor, and a 6-inch refractor are used extensively by astronomy majors and the beginning astronomy classes.
- 27 **ARBORETUM** has always been an integral part of Wellesley's liberal arts curriculum. Wellesley was the second college in the country to have a laboratory for undergraduate work in physics which testifies to Wellesley's revolutionary attitude toward the education of women. Today the new Science Center of unique architectural design is the focus for all the sciences: mathematics and psychology.
- 28 **PRESIDENT'S HOUSE** was once occupied by the founders of the College, Mr. and Mrs. Henry Fowler Durant. This stately dwelling is the current home of President Barbara W. Jewell and her daughter Penny.
- 29 **TREES** Once hunting and farmland for the Native Indians, Wellesley's grounds are the result of landscaping plans created before the Civil War by Henry Durant, founder of the College. The informal and irregular landscaping reflects the English style garden and lends to the natural beauty of the campus.
- 30 **SIMPSON INFIRMARY** was once used as a cottage for students back in 1881. The health facilities consist of a 21-bed hospital, an outpatient clinic, and a clinical laboratory.
- 31 **COLLEGE CLUB** A student may become a member when she is a senior. Required members are alumnae, faculty, and staff. Parents of a student may use the Club the overnight stays while visiting their daughter.
- 32 **BEIT SHALOM** is the Center for Wellesley Jewish Students.

